

MCLA

My College. Right from the Start.



MASSACHUSETTS COLLEGE OF LIBERAL ARTS

The public liberal arts college of Massachusetts – Located in the Berkshires

Undergraduate Academic Program Catalog 2012-2013



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ACADEMIC POLICIES

For detailed information pertaining to current academic policies, please refer to www.mcla.edu/registrar.

STUDENT HANDBOOK

To review a copy of MCLA's Student Handbook, refer to www.mcla.edu/Handbook.

A MESSAGE FROM THE PRESIDENT

Dear Students:



It is with great pleasure that I welcome you to Massachusetts College of Liberal Arts. I am certain you will discover that MCLA is the right place for you – right from the start!

At MCLA you will have the opportunity to learn from a dedicated and talented faculty who are invested in your success. Because of our size and commitment to our unique role as the Commonwealth's public liberal arts college within the state university system, you will have the opportunity to work closely with your professors in class and participate with them in research projects, internships, study away trips, service learning courses and other high impact experiences outside of the classroom. Your experiences at MCLA will play an important role in strengthening and refining your critical thinking, communications and leadership skills - the skills crucial to success in the global economy and engaged citizenship in the community.

Whatever your interest, you are certain to find a program that meets your needs and exceeds your expectations. You will also find that MCLA is a wonderful place to explore new interests and establish lifelong friendships. An MCLA education will give you the foundation on which to begin a career or move on to graduate study, fully prepared to excel and succeed. Our alumni make us proud through their important work in Berkshire County, across Massachusetts, throughout the country and around the world.

MCLA, located in the beautiful Berkshire Hills of western Massachusetts, is at the heart of a vibrant cultural and artistic community with a natural environment that provides great opportunities to enjoy a wealth of outdoor activities. Come visit and learn more about all that MCLA has to offer.

Sincerely,

A handwritten signature in black ink, which appears to read "Mary K. Grant". The signature is fluid and cursive.

Mary K. Grant, Ph.D.
President



Mission Statement

Our Mission

Massachusetts College of Liberal Arts (MCLA) is the Commonwealth's public liberal arts college and a campus of the Massachusetts state university system. MCLA promotes excellence in learning and teaching, innovative scholarship, intellectual creativity, public service, applied knowledge, and active and responsible citizenship. MCLA prepares its graduates to be practical problem solvers and engaged, resilient global citizens.

Our Values

Our mission guides the strategic goals that advance MCLA: Excellence in Teaching and Learning; Supportive and Inclusive Community; Responsive and Intentional Stewardship; and Public Purpose and Engagement. These goals reflect the interplay of the shared values that shape our commitment to students, faculty, staff, and our community:

Access: We believe a high quality liberal arts education should be available and affordable to all who aspire to it and are prepared for its challenges. MCLA is committed to providing this opportunity.

Critical Thinking: Through MCLA's role as leader, convener, and partner, we cultivate critical thinking and analysis in our learning and teaching. We promote a spirit of informed and open-ended inquiry. Our community members demonstrate consideration, deliberation, and planning in addressing challenges and opportunities in our society.

Discovery and Understanding: We understand intellectual disciplines and specific

courses of study interact dynamically in academic and co-curricular experiences. We believe in strengthening student, faculty, and community interaction through engaging coursework, shared research, and service.

Global Awareness: We know that a liberal arts education affords students an appreciation of the wider world, both as a subject of intellectual discovery and through engagement with our society. We work to create and sustain the breadth of curriculum, experiences, and opportunities that lead us all to understand our active roles as knowledgeable global citizens.

Inclusive Community: MCLA is committed to creating a campus climate and culture of mutual respect that represents and honors diversity in our society. We celebrate this diversity and affirm the dignity and worth of all people. We intentionally integrate topics of social, cultural, and physical diversity in the curricular, co-curricular, and work life of our community.

Innovation, Experimentation and Creativity: We promote creativity and inquiry, and the role of a liberal arts institution to provide students with the freedom and means to explore ideas and take intellectual and creative risks.

Leadership: We believe that leadership is a shared responsibility, and encourage all members of the MCLA community to develop their affinity for leadership through formal coursework, professional development, co-curricular training, and practical application. We cultivate leadership opportunities and development programs to further these goals.

Lifelong Learning: We empower learners to develop habits of learning that have integrity and engender respect for tradition. We deploy 21st century tools for learning in our



academic and co-curricular programs that prepare students to be informed, engaged, and capable learners.

Practicality and Application: We believe that the disciplines of arts, sciences, and professional studies empower individuals with broad knowledge and transferable skills, and a strong sense of values and ethics. In its programs and initiatives MCLA forges the connection among academic study, experiential learning, civic engagement, and future success.

Stewardship: We manage our resources responsibly and sustainably, and offer a variety of educational, cultural, and recreational experiences for the campus and local communities. We provide unique resources for the greater Berkshire region. We encourage a spirit of service among students, faculty, staff, alumni, and trustees, and to serve as stewards of the future.

Accreditation Statement

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

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

Policy Statement on Affirmative Action, Nondiscrimination and Diversity

MCLA maintains and promotes a policy of non-discrimination on the basis of race, color, creed, religion, national origin, gender, age, disability, sexual orientation, gender identity, genetic information, marital status and veteran status. This policy incorporates by reference, and where applicable, the requirements of: Titles VI and VII of the Civil Rights Act of 1964; Title VI of the Civil Rights Act of 1968; Titles I and II of the Civil Rights Act of 1991; Title IX of the Education Amendments of 1972 and its regulations found at 34 C.F.R. Part 106; Equal Pay Act of 1963; Civil Rights Restoration Act of 1988; Sections 503 and 504 of the Rehabilitation Act of 1973; American with Disabilities Act of 1990; Section 402 of the Vietnam Era Veterans Readjustment Act of 1974, Uniformed Services Employment and Reemployment Rights Act (USERRA); Age Discrimination Act of 1975; Age Discrimination in Employment Act of 1967, as amended; Family and Medical Leave Act of 1993; Federal Executive Order 11246 of 1965, as amended by Executive Order 11375 of 1967; Federal Executive Order 12900 of 1994; Federal Executive Order 13145 of 2000; Federal Executive Order 13160 of 2000; Federal Executive Order 13166 of 2000; Massachusetts Civil Rights Act; Massachusetts General Laws Chapters 151B, 151C, and Chapter 149; directives of the Department of Higher Education, the Board of Trustees of MCLA and the Commonwealth of Massachusetts; and other applicable local, state and federal constitutions, statutes, regulations and executive orders.



Student Rights under FERPA

The Family Educational Rights and Privacy Act (“FERPA”) of 1974, as amended, ensures the confidentiality of student educational records and restricts disclosure of such records to third parties, except as authorized by law. FERPA also affords students certain rights with respect to their education records.

http://www.mcla.edu/Student_Life/uploads/textWidget/1038.00016/documents/MOD-ELN2.pdf



THE COLLEGE AND ITS HISTORY

Since our inception as the Normal School in North Adams in 1894, Massachusetts College of Liberal Arts (MCLA) has provided educational access and exceptional learning opportunities to generations of students and alumni. Over the years, MCLA has evolved to meet the challenges and needs of changing times. In 1932, the Normal School became the State Teachers College of North Adams, reflecting the increased importance of education as an academic discipline. In 1960, we changed our name to North Adams State College and expanded our focus to include professional degrees in business administration and computer science. In 1997, with eyes focused on the horizon of a new century, the College assumed a unique mission (within the state university system) as Massachusetts College of Liberal Arts, the public liberal arts college for the Commonwealth.

Today, MCLA continues to innovate. We guide students as they develop critical thinking, communication and leadership skills both in class and through a range of high-impact experiences. Applied learning always has been part of what the College provided to students; for many, the teacher practicum was an opportunity to learn by doing and to take what they learned into the classroom out into the field. Today, teacher preparation opportunities exist alongside arts management internships with local cultural organizations, undergraduate research in collaboration with faculty members, travel courses and study abroad, community service projects, and leadership positions in clubs, organizations and athletics teams. These activities enable students to enhance academics with practical experience and prepare them for graduate study or to launch their careers in whatever field their passion leads them.

As the economy continues to evolve, MCLA expands its majors and programs to address critical needs in the marketplace. New degree programs include those in art, arts management, athletic training, chemistry and political science and public policy. Each of our degree programs is delivered in small classes by faculty who know their students well and challenge them to excel. Our newest graduate program, the Professional Master of Business Administration, offers a flexible curriculum for working professionals that prepares them to advance in their careers as leaders and innovators.

To support expanded programs in the sciences and the teaching and learning needs of the 21st century, MCLA soon will be home to the Center for Science and Innovation. This state-of-the-art facility will support learning and research for students, faculty and community members, and connect the College to important developments in the life sciences -one of the keys to the competitive advantage of the County and the Commonwealth.

The proof of MCLA's success can be found in the example set by our alumni. They are distinguished teachers, civic, community and business leaders, journalists, scientists, activists and entrepreneurs. They are proud of the education they received, loyal to their alma mater and dedicated to its continued success.

Though changing times present new challenges and opportunities, the essential nature of MCLA remains constant; a place that delivers a high-quality, affordable public liberal arts education in an environment that supports the development of intellectual and practical skills, promotes scholarship and inquiry, and challenges students to model personal, social and civic responsibility.



ADMISSION

www.mcla.edu/Admissions
(413) 662-5410, admissions@mcla.edu

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

Admission Information and Personal Visits

Prospective students and their families are strongly encouraged to visit the campus. Currently enrolled MCLA students conduct tours of the campus on weekdays and specific Saturdays throughout the year. To request admission information or to schedule a visit, please call the Office of Admission at (413) 662-5410 or 800-969-MCLA or visit our website at www.mcla.edu/Admissions.

Dates of Enrollment and Admission Options

MCLA operates on a semester basis with students being admitted to both the fall and spring semesters.

Regular/Rolling Admission

Candidates for admission are considered on a rolling admission cycle. For the fall term, the applications are reviewed commencing in December through the spring term. Freshmen applicants are encouraged to apply in November of their senior year, once first quarter grades are posted. Transfer students are recommended to apply a semester prior to their intended term of enrollment.

Early Action: Optional for Fall Admission Only

Applicants who wish to receive their admissions decision early may submit their complete

application package by Dec. 1 to the Office of Admission. Early action is not binding and only provides students with an early admission decision without obligation to enroll.

Spring Admission: Freshmen and transfer applicants are considered for the spring term by submitting all admission application information by Dec. 1. Decisions are made on a rolling basis for spring, commencing in October.

Admission Requirements and Procedures

Freshmen Admission Requirements -

MCLA's admission standards are selective and decisions are made on an individual basis after careful review of all academic credentials. Freshman applicants must meet the Massachusetts Department of Higher Education admission standards and possess a high school diploma or equivalency at the time of enrollment. In order to be considered for admission, applicants must meet the minimum eligibility index (a sliding scale based on high school grade point average and SAT I or ACT test scores) and successfully complete the 16 academic units listed below. Meeting the minimum standards does not guarantee admission to MCLA.

Application Form - MCLA is a member of the Common Application. Freshman applicants must submit the Common Application and MCLA Supplement which can be accessed through the MCLA website or www.commonapp.org.

High School Record - All freshman applicants must submit an official copy of their high school record, including at least the first quarter senior grades. An applicant is evaluated on the total high school profile, consisting of the applicant's overall grade point average, curriculum and level of competitiveness. All high school grade point averages are recalculated and considered in comparison to the Eligibility index.



High School Unit Requirements - The unit requirements listed below apply only to the traditional student recently graduated from high school and serve as evidence of the student's ability to complete college-level course work. Units must be at college preparatory level. Completion of these academic units demonstrates competencies required for college preparation, but does not guarantee admission to the College. Exempted from these unit requirements are those students who have been out of high school for three years or more and have obtained a GED three years after their anticipated high school graduation year.

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

- A. English courses must cover both composition and literature and should include the development of reading, writing and comprehension skills.
- B. Mathematics courses must include algebra I, II and geometry or trigonometry, or comparable coursework.
- C. Science courses must include two units with lab work.
- D. Social science courses, including one year of United States history.
- E. Foreign language must be two levels of a single language.
- F. Elective courses selected from additional college preparatory courses or from the above subjects or from Arts and Humanities or Computer Science.

Standardized Test Scores - Candidates for admission to the freshman class must submit official copies of the College Board Scholastic

Aptitude Tests (SAT I) or the American College Testing scores (ACTs).

The Individual Enrichment-Summer Bridge Program - The Individual Enrichment - Summer Bridge Program is a four-week, residential, intensive academic program providing an option for alternative admission to the College. The program is selective and applicants are evaluated on academic achievement, potential involvement outside of the classroom and personal qualities.

Designed to develop academic and social skills required to meet the demands of a four-year students. Students participate in curricular and co-curricular activities designed to engage them in learning strategies, reading and study skills, writing, mathematics and cultural enrichment. Prospective students are considered for the Individual Enrichment - Summer Bridge Program through the regular admissions process. A separate application is not required.

Adult Learners - Students who have been high school graduates for three years or more can apply to the College by submitting a copy of their high school record, GED scores, and/or college transcripts. Personal interviews are strongly recommended to make an accurate assessment of student skills and abilities.

Transfer Student Admission - MCLA welcomes qualified students to apply for transfer admission. A student who has earned a minimum of 12 semester hours of college-level credit from an accredited institution may be considered as a transfer student. Transfer students must have earned a high school diploma or equivalent.



Transfer applicants are evaluated on the basis of their previous college course work. To be considered for admission, a student should understand the following:

- Admission is on a rolling basis, but it is recommended that applications for fall admission be submitted by a priority deadline of March 1, and applications for spring admission be submitted by December 1.
- Official transcripts must be received from each college/university attended.
- A final high school transcript showing proof of graduation should be submitted. SAT/ACT scores are required for transfer students who have been out of high school less than three years and have earned fewer than 24 transferable credits.

Transfer Articulation Agreements - MCLA has transfer articulation agreements with a number of two-year colleges. Admission preference and optimum transferability of credits are ensured for those students who apply from these colleges. Contact the Office of Admission for more information.

Massachusetts Transfer – Students transferring to MCLA from any Massachusetts public higher education institution may qualify for Mass Transfer. Massachusetts community college students who complete associates degrees and enroll in an approved Mass Transfer program receive guaranteed admission, full transfer of credits and a tuition discount based upon final GPA. Students who complete the Mass Transfer block of courses will satisfy the core requirements at MCLA, other than the capstone course. Completion of the 34 credits in the Mass Transfer block must be indicated on the sending institution's official transcript and are defined as follows:

- Nine credits – Behavioral and social sciences
- Nine credits – Humanities and fine arts
- Seven credits – Natural and physical sciences (one course must include a lab)

- Six credits – English composition/writing
- Three credits – Mathematics/quantitative reasoning

Students should contact the Office of Admission for more information. A complete description of Mass Transfer and a list of approved programs is available at: www.mass.edu/masstransfer/.

- International Students - Application Requirements** International students studying or residing outside of the U.S. may apply to MCLA as a full-time student in a degree program by submitting the following documents:
- The Common Application and MCLA Supplement or the MCLA paper application.
 - Official secondary school transcript and/or college transcripts translated into English
 - SAT I or ACT scores (**MCLA's College Board code is 3521 and ACT code is 1908**)
 - TOEFL or IELTS (International English Language Testing System)
 - Letter of Recommendation; if you're applying through the Common Application, complete this [school report form](#) and [teacher evaluation form](#)
 - Personal Statement/Essay (250-500 Words)
 - \$40 application fee.

Certification of Finances: As required by U.S. Immigration and Naturalization Services, you must complete the Certification of Finances form to verify access to sufficient financial resources to attend the College. All international students (not permanent residents or citizens of the U.S.) are classified as "out-of-state" students for tuition purposes. Since the College is unable to provide financial aid to international students, you must demonstrate adequate resources to meet yearly estimated expenses.

Readmit Students - Students who previously attended MCLA and have withdrawn in good academic standing prior to earning their degree



may apply for readmission to the College by submitting an admissions application. If the student completed additional course work at another institution after leaving MCLA, an official transcript of this course work must be forwarded to the Office of Admission. Any outstanding obligations to the College, such as financial commitments, must be reconciled prior to readmission.

Students who have been academically suspended from the College must file an admissions application. Suspended students must meet specific criteria and complete courses outside of MCLA to be considered for re-admission. Students are required to contact the Director of Admission to discuss readmission and course selection.

Part-Time Day or Evening Enrollment -

Along with attending MCLA as full-time (12 credits or more), students can also enroll at MCLA as part-time (less than 12 credits) in either the day or evening division. Irrespective of the number of credits, to be eligible to earn a degree from MCLA, students must be matriculated or accepted into an academic program.

Students interested in enrolling in courses prior to matriculating may do so and are considered non-matriculated or “non degree” students. Non-matriculated students may register for courses through the Registrar’s Office for fall, spring or summer sessions. Students may earn up to 24 undergraduate credits at MCLA with a non-matriculated status. Non-matriculated students are not eligible for financial aid and register after matriculated students.

For more information contact the Office of Admission, Registrar’s Office or Advising Services.

BILLING INFORMATION

www.mcla.edu/Bursar
(413) 662-5230, bursar@mcla.edu

FINANCIAL AID (413) 662-5219, www.mcla.edu/Aid, finaid@mcla.edu

Billing - Students are billed on a semester basis. Bills are due by the required due date. If a student account is not satisfied by the due date a late fee will be imposed and access to housing, meal plans and transcript requests may be affected. The College accepts cash, check or you may pay online with a credit card at www.mcla.edu/bursar. The College also offers a tuition payment plan. For more information about this service please contact the Student Accounts/Bursar’s Office.

Insurance - Mandatory health insurance will appear as a charge on the student bill unless the College received a completed student health insurance form prior to billing.

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

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



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

For further information, contact the Admissions Office or the New England Board of Higher Education, 45 Temple Place, Boston, MA, 02111. You also may obtain additional information by visiting www.nebhe.org/tuition-break.

Tuition and Fees - For information regarding current tuition and fees, please go to www.mcla.edu/Aid.

FINANCIAL AID INFORMATION

All MCLA students are strongly encouraged to complete the Free Application for Federal Student Aid (FAFSA) at www.FAFSA.gov. For more information about the financial aid application process, please refer to the financial aid website at www.mcla.edu/Aid or call the MCLA Financial Aid Office at (413) 662-5219.

Financial Aid - Students are awarded financial aid according to need. Applicants who meet the College's published financial aid deadlines will receive priority consideration. Although financial aid programs operate under specific federal and state guidelines, every effort is made to consider each student's particular family financial situation. To apply for financial aid, complete a Free Application for Federal Student Aid (FAFSA) online at www.FAFSA.gov. In addition to the FAFSA, a MCLA Application for Financial Aid must be submitted to the College's Financial Aid Office. A signed copy of the family's prior year IRS federal

income tax transcript may be required for verification purposes. Consideration of eligibility for financial aid is made when these documents have been received and the student has been accepted to the College. For information regarding financial aid loans, grants, scholarships or work study programs, please refer to the Financial Aid website at www.mcla.edu/Aid or contact the Financial Aid Office.

Refund Policy - Withdrawal prior to the first day of classes (official opening) a student receives a refund of 100 percent. All refunds for withdrawals after the start of classes are determined on a pro-rata basis up to the 60 percent point of the semester. Pro-rata refunds are calculated by determining the percentage of the semester that has been completed up to and including the official date of withdrawal. Based on this calculation, the College determines the amount of financial aid that is unearned and is responsible for returning any portion necessary to the appropriate financial aid programs. Repayment is made to the Federal programs in the following order: Federal Direct Unsubsidized Loan, Federal Direct Subsidized Loan, Federal Perkins Loan, Federal Direct Plus Loan, Federal Pell Grant and Federal Supplemental Educational Opportunity Grant. Any remaining credit balances will then be returned to state, institutional and student resources, in that order. All refunds will be made by check payable to the student. ***Please note withdrawal from the College could result in a balance owed to the College for federal aid that must be returned to the above programs. No refund will be made after the 60 percent point of the semester.***

Withdrawal Policy - All undergraduate matriculated (degree-seeking) students withdrawing from MCLA must complete a withdrawal form through the Center for Student Success and Engagement/Advising Services. See leave of absence/withdrawal at end of next section.



THE UNDERGRADUATE EXPERIENCE

Academic Policies - For detailed information pertaining to current academic policies, please refer to www.mcla.edu/registrar.

Academic Honesty

Honesty -A college is a community of students and faculty interested in the search for knowledge and understanding. This requires a commitment to honesty and integrity. Honesty on the part of every college student is integral to higher education at Massachusetts College of Liberal Arts. Acts of dishonesty are not merely a breach of academic honesty but conflict with the work and purpose of the entire College Community.

Violations of academic honesty include but are not limited to:

- Submitting the work of others as one's own
- Unauthorized communication during or about an examination
- Use of information (notes, electronic communication, etc.) That is not permitted during exams, tests, quizzes
- Obtaining or disseminating unauthorized prior knowledge of examination questions
- Substitution of another person in an examination
- Altering College academic records
- Knowingly submitting false statements, data or results
- Submission of identical or similar work in more than one course without the approval of the current instructor
- Collaborating on material after being directed not to collaborate
- Forging a signature or false representation of a College official or faculty member or soliciting an official signature under false pretense
- Other behavior or activities in completing

the requirements of a course that are explicitly prohibited by an instructor

- Plagiarism (as defined below)

Plagiarism -The academic departments of the College have varying requirements for reporting the use of sources, but certain fundamental principles for the acknowledgment of sources apply to all fields and levels of work.

The use of source materials of any kind and the preparation of essays or laboratory reports must be fully and properly acknowledged.

In papers or laboratory reports, students are expected to acknowledge any expression or idea that is not their own.

Students submitting papers are implying that the form and content of the essays or reports, in whole and in part, represent their own work, except where clear and specific acknowledgment is made to other sources.

Even if there is no conscious intention to deceive, the failure to make appropriate acknowledgment may constitute plagiarism.

Any quotation - even of a phrase - must be placed in quotation marks and the precise source stated in a note or in the text; any material that is paraphrased or summarized and any ideas that are borrowed must be specifically acknowledged.

A thorough reordering or rearrangement of an author's text does not release the student from these responsibilities.

All sources that have been consulted in the preparation of the essay or report should be listed in the bibliography.

Upon an occurrence of alleged academic dishonesty instructors may exercise their discretion in imposing a sanction. Instructors may also report this sanction to the Registrar or file additional charges against students if they believe that additional sanctions are appropriate. Instructors will notify the Registrar in writing:

- Any acts of academic dishonesty whenever they have imposed a sanction that is beyond the value of the assignment



- The instructor requests that the College take further action.

The Academic Appeals Committee handles reported violations of this policy. The process is detailed in the Academic Appeals policy (<http://www.mcla.edu/Academics/academicresources/registrar/academicpolicies/>).

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. 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 14 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 Academic Appeals Committee shall consider as a basis for a hearing that: a) the student claims not to have been academically dishonest; b) the student claims the instructor imposed an inappropriate sanction; c) the nature of the offense merits further action.

In academic dishonesty cases the Committee may receive requests for hearings from students, from individual faculty and staff members, and from the Registrar.

The Academic Appeals Committee reserves the right not to hear any appeal in any case where data is not sufficient, the necessary steps have

not been followed and when the committee jurisdiction is not clear.

Further information regarding instructor and student rights and responsibilities and appropriate procedures to be followed in applying this policy may be obtained from the Office of the Dean of Academic Affairs or the Registrar. **Academic Warning** - A student with a semester GPA less than 2.0 but a cumulative GPA of 2.0 or greater will be issued an Academic Warning. A letter of Academic Warning will be sent to the student and copied to the student's advisor explaining the potential consequences of poor academic performance (including successive semesters of Academic Warning or future Academic Probation or Academic Suspension). For each semester in which an Academic Warning is received, the student must meet with his or her academic advisor and complete an Academic Success Plan, which will be submitted to Advising Services for review and appropriate referrals.

Academic Probation - A student who fails to achieve a 2.0 cumulative GPA, while achieving a GPA higher than the Academic Suspension cutoff will be placed on Academic Probation. A student on Academic Probation following Appeal must adhere to certain conditions designed to promote academic success. These conditions may include: (1) course load of not more than 15 credits; (2) academic schedule changes to allow repeat courses; (3) meetings with an academic advisor, learning services, and/or advising services to complete an Academic Success Plan that will monitor student progress; (4) attendance at academic success workshops (e.g. study skills, time management, etc); and (5) restrictions on certain extracurricular activities as determined by the Office of Academic Affairs or its designate (for the first semester on Academic Probation, a student will remain eligible for participation in extracurricular activities unless individual department or activities have higher standards).



Academic Standing Policy

Academic Standing at MCLA - A student's cumulative MCLA GPA, combined with credits earned, will determine the academic standing category at the end of each semester according to the following standards:

Earned credits*	ACADEMIC GOOD STANDING (MCLA cumulative GPA)	ACADEMIC PROBATION (MCLA cumulative GPA)	ACADEMIC SUSPENSION (MCLA cumulative GPA)
0 - 30	2.000 or above	1.500 - 1.999	under 1.500
31-75	2.000 or above	1.750 - 1.999	under 1.750

* Earned credits includes transfer credits and MCLA credits (at the 100-level and higher) in which a passing grade was earned.

GPA:

- Academic Good Standing - cumulative GPA of 2.00
- Academic Probation - student on academic probation
- Academic Probation following appeal - appeal of suspension approved
- Academic Suspension - student academically suspended
- Academic Dismissal - student dismissed (permanently) from MCLA

Academic Services

Center for Student Success and Engagement (CSSE) takes a holistic approach to cultivating student success and engagement with the MCLA community. The Center provides an intentional and seamless integration of academic support services together with quality out of class experiences to enhance success and engagement for all MCLA students. For more information, please go to www.mcla.edu/success

The following are the key services that form the Center for Student Success and Engagement:

Advising Services is the primary academic resource on campus, providing information about college policies and procedures, enhancing the accessibility of information to current and prospective students. Advising Services also coordinates the advising of all undeclared students at MCLA, as well as students who are on academic probation or academic suspension. For more information, please go to www.mcla.edu/advising.



Career Services assists students and alumni and explores personal interests, values and skills. In recognition of the importance of looking ahead, resources are available to help with decision making surrounding choice of major, employment, careers and postgraduate study. Career Services also serves as a central resource for several academic programs, including study abroad, study away and internships. For more information, please go to www.mcla.edu/Academics/academicresources/career.

Tutoring is also offered to enrolled students through the Tutor Exchange Network (TEN). The network provides tutorial delivered in small groups by qualified peer tutors. Students can request a tutor through Self-Service Banner. Call (413) 662-5314 for more information.

STEM Associates are available on a drop-in basis to assist students in their science, technology engineering, math courses. Check the website for current hours: <http://www.mcla.edu/Academics/academicresources/learning/>

Trained peer Writing Associates work with students in various stages of the writing process. Students bring a copy of their assignment and a rough draft or outline of their paper. Writing Associates provide constructive feedback, assistance with proofing, and assistance with citations. <http://www.mcla.edu/Academics/academicresources/learning/writingresearch/>

Learning Services provides numerous programs that support and enhance students' academic success. Direct course support is provided through peer tutoring and student writing associates. Learning Services also is responsible for accommodations for students with disabilities, adult learners and the summer

session of the College's Individual Enrichment Program. For more information, please go to www.mcla.edu/learningservices.

Exploratory Studies Program - The Exploratory Studies Program is designed to support students who have not declared a major. The program engages students with a variety of experiences designed to encourage informed decisions when choosing a major. These include working with academic advisors and exploring academic and career services. The Exploratory Studies Program is administered by the Center for Student Success and Engagement. For further information, please contact CSSE/Career Services at (413) 662-5332.

MCLA students must declare a major program of study by the time they have earned 60 credits. Transfer students entering MCLA with 60 or more credits must declare a major after the completion of their second semester at MCLA. Students have the responsibility of completing all requirements for their chosen major regardless of when the major is declared. Students already in a major may become Undeclared if they wish to explore other majors.

Leave of Absence from MCLA - A student whose personal, family, or medical circumstances require a temporary interruption of college study may apply for a leave of absence for up to two semesters. To apply for a leave of absence a student must complete an application through Advising Services. Recommendations regarding requests will be made by Advising Services to the Dean of Academic Affairs. The Dean will make the final decision on the request.

A leave of absence may only be granted to students who are matriculated and in good academic and financial standing. All students returning from a leave of absence must contact



the Registrar’s Office no later than December 1 for reactivation in the spring semester and August 1 for reactivation for the fall semester. Students who are granted a leave of absence before the end of the drop/add period will have no notation on their record for that semester. Students granted a leave after the add/drop period and through the last day of classes will have a grade of “WX” on their record for that semester.

*Students are advised to contact Student Accounts and Financial Aid regarding refunds, loan deferment/repayment and eligibility for further aid.

Withdrawing from MCLA – Withdrawal from College- Students leaving the College must complete a Withdrawal from College form obtained from Advising Services. Students officially withdrawing before the first day of final examinations will receive a notation of WX in all courses. After this time students will receive a grade in all courses.

Academic Policy Information

For detailed information pertaining to current academic policies, please go to www.mcla.edu/registrar

Student Handbook

To view a copy of MCLA’s Student Handbook, go to www.mcla.edu/Handbook

College Academic Program Sharing (CAPS)

CAPS is a program for sharing academic programs among Massachusetts state universities. It offers access to the academic resources of another state university while maintaining degree status at MCLA. A student may take up to 30 semester hours of credit through the CAPS program. A minimum overall GPA of 2.0 must be achieved in this course work. To

qualify for CAPS, a student must first earn at least 30 credits at Massachusetts College and have a GPA of 2.0. Further information regarding CAPS is available in the Registrar's Office.

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 listing of a prerequisite to successfully perform well in a course. A content or skill prerequisite might be listed where prior conceptual knowledge or an ability level is crucial for success. Other examples of prerequisites might be completion of core courses or an indication of required class status, such as a junior or senior. Courses list prerequisites that are appropriate indicators of the level of preparation needed.

Credit for Learning Experiences Outside of College

The College recognizes that significant learning occurs outside the formal academic experience in work and home settings, through community activities, military service, or in individual reading and study. Students may receive credit for such experiences through a



number of programs that are detailed below. CSSE/Advising Services assists students in determining which option would be best suited to awarding credit for their experiences. Individuals interested in seeking credit for learning experiences outside of college must begin the process by contacting Advising Services at (413) 662-5400 or advising@mcla.edu. Credits awarded through AP, IB, CLEP and Prior Learning are not included in the 45 credits that must be taken at MCLA to earn a degree from the College.

Standardized Tests - Academic credit will be awarded for students achieving certain standards on the following assessments:

Advanced Placement (AP) Program - Sponsored by the College Entrance Examination Board (CEEB), offers students the opportunity to earn college credits. The standardized AP exam usually is taken upon completion of a specific course of study in high school. An AP score of three or higher is required to receive credit. An official copy of the CEEB report must be sent to MCLA Office of Admission for evaluation.

International Baccalaureate (IB) Program - The International Baccalaureate (IB) program is a standardized curriculum which is offered in many countries, including the U.S. After 2 years of advanced study, students take external exams called higher level (HL) exams in their area of intensive study which are scored using a 1-7 scale, with 7 being the highest score. Massachusetts College of Liberal Arts recognizes both the IB Diploma and Certificates. The College will award 6 to 8 credits for each higher level exam passed with a score of 4 or better. (Eight credits are awarded in the sciences and six credits are awarded in all other subject areas.)

College Level Examination Program (CLEP) - Also sponsored by the CEEB, pro-

vides standardized tests across a diverse array of college-level courses. For each CLEP examination that awards three or six credits, MCLA requires a minimum score of 50, representing the mean test score of students who earn a C in the corresponding college level course. For students seeking 12 credits in foreign language, the following scores are required: French 62, German 63 and Spanish 66. Advising Services maintains a list of the MCLA course equivalents (core and departmental) for many of the CLEP exams.

Prior Learning Credit - Students can earn up to 30 credits for learning experiences outside of college. To apply for these credits, students develop a portfolio documenting life experiences (work, community, military service, etc.). The content of the portfolio must be consistent with the educational goals and outcomes of specific courses or general areas of study. An initial meeting with Advising Services is held to discuss the nature and extent of the experiential learning for which credit is sought. The student must also submit a two to three - page summary of experiences to Advising Services. Students also should meet with appropriate department chairs, particularly when seeking substantial credits in a single academic area.

The prior learning process involves the completion of a portfolio, including a reflective narrative that describes the experience and the learning that took place. Appropriate documentation is required to support the student's explanation of the overall value of the experience, as well as specific skills, abilities and knowledge that were gained. Students seeking prior learning credit also must enroll in MCLA's Experiential Credit Portfolio Preparation and Writing (ENGL 395) course to provide additional support and assistance with the process. The ENGL 395 requirement may be waived by Advising Services staff based on factors such as demonstrated writing proficiency, the nature



of the portfolio's content and/or the number of credits being sought.

The completed portfolio is submitted to Advising Services along with the application sheet. Advising Services transmits the portfolio to the appropriate academic department(s) for faculty review by the department chair(s) or his/her designee(s). Evaluators will make a recommendation of the number and distribution of credits awarded. These recommendations are reviewed by the Associate Dean of Advising Services and then transmitted to the Dean of Academic Affairs, who makes the final decision. [A \$100 per credit fee is assessed prior to posting the credits to the student's MCLA academic record.]

Credit for Physical Education Experiences -

Students seeking credits for one or two physical education experiences (e.g., First Aid/CPR and lifeguard certifications, individual physical wellness activities) that occur outside of MCLA should submit a completed application along with their documentation to Advising Services for review and approval by the Physical Education Department. [A \$25 processing fee will be assessed for this service.] For more information, go to www.mcla.edu/Academics/academicresources/advising/priorlearning-credit.

Cross-Enrollment at Berkshire Community College/Williams College -

A limited number of matriculated students enrolled full-time and in good academic standing may register without additional tuition at Williams College or Berkshire Community College for courses not offered by MCLA. Interested students should consult the Registrar's Office at (413) 662-5216.

Experiential Learning Opportunities

Independent Study - Most academic departments offer opportunities for independent study in areas not covered by other course offerings. The intent is to provide a valuable experience that will enhance the student's grasp of a subject and develop the motivation, skills and discipline of independent work. Independent study proposals must be approved before or during the first 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 Affairs. Students are limited to a maximum of 12 credit hours of independent study during their four years of college; 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 project objectives, difficulty or complexity.

Internships - The College recognizes the value of internships as an educational experience. To this end, each academic department may establish an internship program in accordance with College policy. Applicants must be matriculated juniors or seniors with a minimum GPA of 2.0. Some departments may have a higher GPA requirement. Students may earn up to 15 credit hours of internship experience during their four years of college. A minimum of 45 hours of on-site experience is required for each credit hour granted.

Students interested in an internship should consult with individual academic departments or CSSE/Career Services. For more information about internship programs visit www.mcla.edu/Internships.



National Student Exchange - Through the National Student Exchange (NSE), students can study for up to one calendar year at one of nearly 200 colleges and universities within the United States and Canada. For more information, call (413) 662-5332 or visit <http://www.nse.org>.

Study Abroad - As a member of the College Consortium for International Studies (CCIS), MCLA offers students of all majors the opportunity to study throughout the world for a semester or an entire year. Programs are available in Europe, Asia, Latin America and Africa. Students must have a minimum 2.5 GPA in 60 credits before applying. For more information, call (413) 662-5332 or visit www.mcla.edu/StudyAbroad.

Travel Courses - MCLA offers travel courses during January and March. Recent trips have included travel to China, Czech Republic, England, France, Ireland, Italy, Japan and Spain. MCLA's travel courses are academic courses that also meet regularly on campus before and following travel. They include a normal academic experience of reading, research and reporting. The courses are typically junior-level, carry three upper-level credits toward graduation, and are an excellent opportunity to combine travel and study. For more information, contact the Dean of Academic Affairs at (413) 662-5242, or visit www.mcla.edu/TravelCourses.

Undergraduate Research Conference - The MCLA Undergraduate Research Conference is a college-wide day of engagement. The conference provides students the opportunity to present their work visually through a poster session or orally with a paper presentation.

Undergraduate Research Fellow - Students interested in undergraduate research should contact their faculty advisor.

First Year Experience (FYE) - The "First-Year Experience" describes a comprehensive, intentional and integrated approach to the first college year. FYE courses provide a common academic experience for first-year students to introduce them to the value of a liberal arts education. Courses are designed to foster students' enthusiasm for learning through reflection and inquiry, enhancing meaningful participation in the academic and co-curricular life of MCLA.

Graduation Requirements

1. The core curriculum requirements must be completed.
2. The requirements for the student's major must be completed (student must be matriculated).
3. A minimum grade point average of 2.000 overall and 2.000 in the major program requirements must be earned.
4. A minimum of 45 credits must be completed at MCLA; a minimum of one half of the courses in a student's major must be taken through MCLA.
5. At least 120 credits, including the major program credits, must be earned. No more than five credits can be fulfilled by personal fitness/skills courses in physical education.
6. A student's final 15 credits of coursework must be completed at MCLA.
7. At least 39 of the 120 credits must be in upper-division work (300-500 level).
8. A graduation requirement of two credits of physical education.
9. Application for graduation must be filed with the Registrar's Office.



Honors Societies

Alpha Chi - Alpha Chi is a national society and a member of the Association of College Honor Societies. Its objective is the stimulation, development and recognition of scholarship.

Alpha Lambda Delta - Alpha Lambda Delta is a national society that honors academic excellence during a student's first year in college.

Alpha Psi Omega - Alpha Psi Omega is the national honor society in drama.

Alpha Sigma Lambda - Alpha Sigma Lambda is the national honor society for non-traditional students.

Delta Mu Delta - Delta Mu Delta is a national honor society for business administration majors.

Lambda Iota Tau - Lambda Iota Tau is an international literature honors society.

National Residence Hall Honorary (NRHH) - NRHH is the only national honor society that exclusively recognizes the contributions of student leaders within college residence areas. MCLA's chapter is called, Rho Pi Sigma.

Order of Omega - The Order of Omega is a national Greek honor society founded in 1959. MCLA's chapter is called, the Rho Pi Chapter.

Phi Alpha Theta - Phi Alpha Theta is a professional society for promoting the study of history.

Pi Lambda Theta - Pi Lambda Theta is the honor society for outstanding professionals in education.

Pi Sigma Alpha-Pi Sigma Alpha is the honor society for Political Science. Pi Sigma Alpha, the National Political Science Honor Society, is the only honor society for college and university students of government in the United States. Its purpose is to stimulate scholarship and intelligent interest in political science. Membership is very selective.

Psi Chi - Psi Chi is the National Honor Society in psychology.

Society of Physics Students - The Society of Physics Students (SPS) is a member society of APS, The American Physical Society, which is the primary professional society for those interested in physics.



ACADEMIC PROGRAMS OF STUDY

Art - www.mcla.edu/art

- Art, B.A.
- Fine and Performing Arts, Art Concentration, B.A.
- Art Minor
- Art History Minor

Arts Management -

www.mcla.edu/artsmanagement

- Arts Management, B.A.
- Fine and Performing Arts, Arts Management Concentration, B.A.
- Arts Management Minor

Athletic Training -

www.mcla.edu/athletictraining

- Athletic Training, B.S.

Biology - www.mcla.edu/biol

- Biology, B.S.
- Biology, Pre-Professional Concentration, B.S.
- Biology, Pre-Physical Therapy Concentration, B.S.
- Biology, Medical Technology Concentration, B.S.
- Biology, Biotechnology Concentration, B.S.
- Biology, Allied Health Concentration, B.S.

Biology Education Licensure Programs -

- Biology, Early Childhood Education Licensure, B.S. (Dual major in Education also awarded)
- Biology, Elementary Education Licensure, B.S. (Dual major in Education also awarded)
- Biology, Middle School Education Licensure, B.S. (Dual major in Education is also available)

- Biology, Secondary Education Licensure, B.S. (Dual major in Education is also available)
- Biology Minor

Business Administration and Economics -

www.mcla.edu/badm

- Business Administration, B.S.
- Business Administration, Accounting Concentration, B.S.
- Business Administration, Business Information Systems Concentration, B.S.
- Business Administration, Event Management Concentration, B.S.
- Business Administration, Sport Management Concentration, B.S.
- Business Administration, Management Concentration, B.S.
- Business Administration, Marketing Concentration, B.S.
- Business Administration, International Business Concentration, B.S.
- Business, PMBA, Professional Masters of Business Administration

Business Administration Education

Licensure Program -

- Business Administration Minor
- Economics Minor
- Marketing Minor

Chemistry - www.mcla.edu/chem

- Chemistry, B.S.
- Chemistry Minor
- Chemistry, Secondary Education Licensure, B.S. (dual major in Education is also available.)

Computer Science and Information

Technology - www.mcla.edu/csai

- Computer Science, B.S.
- Computer Science Minor
- Information Technology Minor



Education - www.mcla.edu/educ

- Education, B.S.
- Sport Coaching Minor
- Education, M.Ed. - www.mcla.edu/graduate
- Certificate of Advanced Graduate Study (CAGS)
- Early Childhood Education (PreK-2) Licensure Program
- Elementary Education (1-6) Licensure Program
- Middle School Education (5-8) Licensure Program
- Secondary Education (8-12) Licensure Program

English Communications -

www.mcla.edu/engl

- English, B.A.
- English, Literature Concentration, B.A.
- English, Journalism Concentration, B.A.
- English, Writing Concentration, B.A. (creative writing or professional writing)
- English, Broadcast Media Concentration, B.A.
- English, Public Relations Concentration, B.A.
- English, Film Studies Concentration, B.A.
- English, Corporate Communications Concentration, B.A.

English Education Licensure Programs -

- English, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)
- English, Elementary Education Licensure, B.A. (B.S. in Education also awarded)
- English, Middle School Education Licensure, B.A. (B.S. in Education is also available)
- English, Secondary Education Licensure, B.A. (B.S. in Education is also available)
- English Minor
- Literature Minor

Environmental Studies -

www.mcla.edu/envi

- Environmental Studies, B.A.

- Environmental Studies Minor
- Geography Minor

Fine & Performing Arts - www.mcla.edu/fpa

- Fine & Performing Arts, B.A.
- Art, B.A.
- Arts Management, B.A.
- Fine & Performing Arts, Art Concentration, B.A.
- Fine & Performing Arts, Arts Management Concentration, B.A.
- Fine & Performing Arts, Music Concentration, B.A.
- Fine & Performing Arts, Theatre Concentration, B.A.

Fine & Performing Arts Education

Licensure Program -

- Fine & Performing Arts, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)
- Fine & Performing Arts, Elementary Education Licensure, B.A. (B.S. in Education also awarded)
- Art Minor
- Arts Management Minor
- Art History Minor
- Music Minor
- Theatre Minor

History, Political Science & Public Policy -

www.mcla.edu/hist

- History, B.A.
- Political Science /Public Policy, B.A.

History Education Licensure Programs -

- History, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)
- History, Elementary Education Licensure, B.A. (B.S. in Education is also available)
- History, Middle School Education Licensure, B.A. (B.S. in Education is also available)
- History, Secondary Education Licensure, B.A. (B.S. in Education is also available)



- History, Teacher of History or Political Science, Middle School Education, B.A. (B.S. in Education, is also available)
- History, Teacher of History or Political Science, Secondary Education, B.A. (B.S. in Education, is also available)
- Canadian Studies Minor
- History Minor
- Political Science Minor
- Public and Local History Minor

Interdisciplinary Studies -

www.mcla.edu/idst

- Interdisciplinary Studies, B.A.
- Interdisciplinary Studies, B.A., American Studies
- Interdisciplinary Studies, B.A., Cultural Studies
- Interdisciplinary Studies, B.A., Natural Science
- Interdisciplinary Studies, B.A., Contemporary Culture/Cultural Studies
- Interdisciplinary Studies, B.A., Humanities
- Interdisciplinary Studies, B.A., Science Concentration
- Interdisciplinary Studies, B.A., Political Journalism
- Interdisciplinary Studies, B.A., International Studies

Interdisciplinary Studies Education

Licensure Programs -

- Interdisciplinary Studies, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)
- Interdisciplinary Studies, Elementary Education Licensure, B.A. (B.S. in Education also awarded)
- Interdisciplinary Studies, General Science, Middle School Humanities, Math/Science, Area of Study (Middle School Teacher Licensure), B.A. (B.S. in Education is also available)
- Cross-Cultural & Social Justice Studies Minor (Social Justice Track)

- Cross-Cultural & Social Justice Studies Minor (Cross-Cultural Track)

Mathematics - www.mcla.edu/math

- Mathematics, B.A.

Mathematics Education Licensure Programs -

- Mathematics, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)
- Mathematics, Elementary Education Licensure, B.A. (B.S. in Education also awarded)
- Mathematics, Middle School Education Licensure, B.A. (B.S. in Education is also available)
- Mathematics, Secondary Education Licensure, B.A. (B.S. in Education is also available)
- Mathematics Minor

Modern Language - www.mcla.edu/span

- Spanish Minor

Philosophy - www.mcla.edu/phil

- Philosophy, B.A.
- Philosophy, Law, Ethics and Society Concentration, B.A.

Philosophy Education Licensure Program

- Philosophy, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)
- Philosophy, Elementary Education Licensure, B.A. (B.S. in Education also awarded)
- Philosophy Minor

Physics - www.mcla.edu/phys

- Physics, B.A.
- Physics, B.S.

Physics Education Licensure Programs -

- Physics, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)



- Physics, Elementary Education Licensure, B.A. (B.S. in Education also awarded)
- Physics, Teacher of Physics, Middle School Education Licensure, B.A. (B.S. in Education is also available)
- Physics, Teacher of Physics, Secondary Education Licensure, B.A. (B.S. in Education is also available)
- Physics Minor

Political Science/Public Policy -

www.mcla.edu/posc

- Political Science/Public Policy, B.A.

Political Science/Public Policy Education Licensure Programs -

- Political Science, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)
- Political Science, Elementary Education Licensure, B.A. (B.S. in Education also awarded)

Political Science/Political Philosophy Education Licensure Programs -

- Political Science, Teacher of Political Science/Political Philosophy, Middle School Education, B.A. (B.S. in Education is also available)
- Political Science, Teacher of Political Science/Political Philosophy, Secondary Education, B.A. (B.S. in Education is also available)
- Political Science Minor

Psychology - www.mcla.edu/psyc

- Psychology, B.A.

Psychology Education Licensure Program

- Psychology, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)
- Psychology, Elementary Education Licensure, B.A. (B.S. in Education also awarded)
- Behavior Analysis Minor - New England

- Center for Children Cooperative Program
- Behavior Analysis Minor - Experimental Analysis of Behavior
- Behavior Analysis Minor - Applied Behavior Analysis
- Psychology Minor

Sociology, Anthropology, Social Work -

www.mcla.edu/soci

- Sociology, B.A.

Sociology Education Licensure Program•

- Sociology, Early Childhood Education Licensure, B.A. (B.S. in Education also awarded)
- Sociology, Elementary Education Licensure, B.A. (B.S. in Education also awarded)
- Anthropology Minor
- Child and Family Studies Minor
- Criminal Justice Minor
- Health, Aging, and Society Minor
- Social Work Minor
- Sociology Minor

Multi-Discipline Programs

- Honors Program -www.mcla.edu/honors
- Women’s Studies Minor - www.mcla.edu/wmst
- Child and Family Studies Minor - www.mcla.edu/soci
- Health, Aging, and Society Minor - www.mcla.edu/soci
- Pre-Law Advising - www.mcla.edu/phil

For detailed information pertaining to academic programs, please go to www.mcla.edu/academics.



CORE CURRICULUM

MCLA's core curriculum provides a practical and interdisciplinary education that challenges students to develop themselves as thinkers, readers, writers, communicators and problem solvers. Moreover, the core curriculum prepares students for a diverse world, for professional and personal success by helping students to think critically, and to make informed, self-directed decisions, which will prepare them for lives of civic responsibility. MCLA's core curriculum is comprised of three tiers. Tier I develops foundational skills including writing, reasoning, problem solving and language development. Tier II exposes students to coursework within each of four domains including creative arts, human heritage, self and society, and science and technology. Tier III is a culminating capstone experience. Domain level courses will engage students in:

- Comprehending the possibilities and limitations of various fields of human inquiry;
- Understanding the complex interplay of beliefs, values and practices that characterize disciplined systems of knowledge;
- Adopting diverse perspectives to function in our multicultural world.

CORE CURRICULUM REQUIREMENTS

TIER I CORE FOUNDATIONS

Critical Reading, Thinking, Writing	3 cr
Quantitative Reasoning	3 cr
Computing Technology/ Problem Solving	3 cr
Language Arts	3 cr

TIER II CORE DOMAINS

Creative Arts 6 cr
(100-level and 200-level course)

Human Heritage (100-level and 200-level course)	6 cr
Self & Society (100-level and 200-level course)	6 cr
Science & Technology (Two courses - at least one must have laboratory)	7-8 cr

TIER III CAPSTONE EXPERIENCE 3 cr

TOTAL CORE CURRICULUM REQUIREMENTS 40-41

TIER I - CORE FOUNDATIONS CRITICAL READING, THINKING, WRITING

ENGL 150 College Writing II

QUANTITATIVE REASONING

MATH 102 Mathematics for Liberal Arts
MATH 150 Precalculus
MATH 220 Calculus I
MATH 232 Introduction to Statistics

COMPUTING TECHNOLOGY/ PROBLEM SOLVING

CCCL 100 Computing and Communication

LANGUAGE ARTS

FREN 102 Elementary French II
ITAL 102 Elementary Italian II
MODL 102 Elementary Language II
SPAN 102 Elementary Spanish II

All students must complete a foreign/modern language course at the 102 level (second semester elementary level) or demonstrate proficiency at or above the second semester elementary level (e.g. through an assessment process). Entering students who have passed, with at least a C average, the equivalent of a fourth year level of a foreign/modern language are waived from MCLA's language arts requirement. Entering students, who have not



met the fourth year level of the same foreign/modern language, will take a modern language placement test and be placed accordingly. Alternatively, students could elect to begin study of a new language at the first-semester elementary level (101) and subsequently complete the second semester elementary level (102) course in the same language.

In accordance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act, students with disabilities (as identified through Learning Services) will be advised to select an alternative course to fulfill their Tier I Language Arts requirement. This course may be taken at any level and will be drawn from a listing of courses that foster an understanding and appreciation of culture other than our own: including, but not limited to, anthropology, social geography, travel, history and language (non speaking) appreciation courses. Appropriate courses will be selected in consultation with language and other appropriate academic departments.

TIER II - CORE DOMAINS

CREATIVE ARTS - Upon completion of the creative arts domain requirements students will be able to:

- Accurately describe the sense data of which an artwork is composed or which it evokes via verbal or other formal prompts (e.g. meter);
- Use the basic vocabulary of the art form(s) under consideration in order to describe the sense data of an artwork and to describe the techniques used in bodying forth the sense data;
- Use accurate description of sense data and the basic vocabulary of the art form(s) under discussion to describe patterns of significance (meaning, effect) in the work of art itself (analysis and interpretation);
- Understand how context is used to help in-

terpret a work of art and should be able to use context in analysis and interpretation. ("Context" includes other work by the artist, the biography of the artist, the zeitgeist of the age in which the work was produced, and artistic conventions of the time.)

Departmental Courses Fulfilling Creative Arts Tier II Domain

- CCCA 100 Creative Arts: Methods & History
- CCCA 102 The Art of Madness
- CCCA 202 The Good Earth: Agrarianism
- CCCA 203 Inventing Modernism
- CCCA 205 Popular Hollywood Films: 1950s
- CCCA 206 Rumi's Vision
- CCCA 207 Children's Lit.: A Lively Art
- CCCA 209 Contemp Amer. Poetry & the Time
- ENGL 210 Essentials of Film
- ENGL 250 Introduction to Literature
- ENGL 270 Literary Genre
- MUSI 251 Introduction to Music
- MUSI 253 World Music
- PHIL 120 Art & Philosophy
- PHIL 120H Honors: Art & Philosophy

HUMAN HERITAGE - Upon completion of the human heritage domain requirements students will be able to:

- Apply critical and comparative approaches to primary and secondary sources;
- Draw valid conclusions from documentary evidence and evaluate the significance of such conclusions;
- Evaluate the significance of events, ideas, or circumstances in a given text both within their own and contemporary contexts.

Departmental Courses Fulfilling Human Heritage Tier II Domain

- CCHH 101 Utopian Visions Fact & Fiction
- CCHH 210 Amer Women Regionalist Writers
- CCHH 221 Divine Witness
- CCHH 223 The Great Depression
- CCHH 240 Holocaust & Nature of Prejudice



CCHH 240H Honors: Holocaust & Nature of Pre

ENGL 265 Literary Theme
 HIST 104 Modern World Civilization
 HIST 106 Latin American Civilization
 HIST 203 American History I
 HIST 204 American History II
 HONR 100 The Nature of Human Nature
 IDST 150 Intro Cross- Cultural & Social Justice Studies
 IDST 224 The Nuclear Age
 PHIL 100 A First Course in Philosophy
 PHIL 101 History of Ideas
 PHIL 110 World Religions
 PHIL 110H Honors: World Religions
 PHIL 200 Logic and Critical Reasoning
 PHIL 200H Honors: Logic & Critical Reason

SELF AND SOCIETY - Upon completion of the self & society requirements students will be able to:

- Identify the values and assumptions in a particular social setting and compare them with one's own cultural context;
- Utilize inter-disciplinary perspectives, theories and social science methods to analyze significant social issues;
- Develop and present an analysis of the multiple factors that explain an individual's relationship to society.

CCSS 101 Contemp Issues in Society
 CCSS 102 Snapshots of Society
 CCSS 202 World Resins & New Global Order
 CCSS 205 Understanding the Self
 CCSS 210 Landscapes of Human Activities
 CCSS 260 Schools, the Law and Society
 CCSS 264 Math of Fairness and Equity
 CCSS 264H Honors: Math Fairness & Equity
 CCSS 267 Real Men
 CCSS 268 Culture and the Body
 CCSS 269 Education and Society
 CCSS 270 Globalization: Myths & Realities
 CCSS 275 Aging and Society

Departmental Courses Fulfilling Self and Society Tier II Domain

ANTH 130 Introduction to Sociocultural Anthropology
 ANTH 140 Peoples of the World
 BADM 100 Explorations in Business
 ECON 141 Macroeconomics
 ENGL 204 Media, Self-Identity and Society
 ENGL 231 The Power of Words
 POSC 201 US Government & Public Policy
 POSC 202 Comparative Government & Public Policy
 PSYC 100 Introduction to Psychology
 PSYC 230 Social Psychology
 SOCI 100 Introduction to Sociology
 SOCI 201 Social Problems
 SOCI 210 Families
 SOCI 282 Deviant Behavior
 SOCI 295 Social Change and the Future
 WMST 201 Intro to Women's Studies

SCIENCE AND TECHNOLOGY - Upon completion of the science and technology domain requirements students will be able to:

- Identify and analyze fundamental knowledge of a natural science discipline;
- Apply key elements in the scientific method as demonstrated by critically evaluating scientific writings;
- For lecture portion of courses: Demonstrate appropriate communication skills through writing and/or speaking;
- For lab courses: Demonstrate appropriate technical writing skills through lab reports (communication abilities);
- Demonstrate mathematical problem-solving abilities within the context of the course.

CCST 101 Basic Concepts Physics & Chem
 CCST 102 Case Study Approach to Science
 CCST 103 Quarks to Quasars
 CCST 104 How Things Work
 CCST 105 The Chemistry of CSI



CCST 105H Honors: The Chemistry of CSI
 CCST 230 Energy and the Environment
 CCST 244 Neuroscience: Sleep and Dreams
 CCST 249 The Science of Behavior
 ENVI 150H Honors: Intro to Environ System
 ENVI 152H Honors: Envir Res: Science & Mgmt

Departmental Courses Fulfilling Science & Technology Tier II Domain

BIOL 100 Concepts in Biology
 BIOL 105 Human Biology
 BIOL 150 Introduction to Biology
 BIOL 255 Biodiversity
 CHEM 150 Introduction to Chemistry I
 CHEM 152 Introduction to Chemistry II
 ENVI 150 Introduction to Environmental Systems
 ENVI 152 Environmental Resources: Science & Management
 GEOG 151 Introduction to Physical Geography
 GEOG 152 Introduction to Physical Geology
 GEOG 245 Natural Hazards
 GEOG 270 Weather and Climate
 GEOG 271 Landforms
 PHYS 105 Physics and Everyday Thinking
 PHYS 120 Introduction to Engineering
 PHYS 131 General Physics I
 PHYS 132 General Physics II
 PHYS 140 Astronomy
 PHYS 151 Introduction to Physics I
 PHYS 152 Introduction to Physics II
 PHYS 271 Robotic Systems

TIER III - CAPSTONE EXPERIENCE

-The course investigates various ideas about the nature of light, especially its pivotal role in theories about the cosmos and in theories about the mind. We will look at the following, and maybe a little more, all in terms non-scientists can understand: the current understanding of light as a wave and a particle, how questions

about light helped lead to the theory of special relativity and to quantum mechanics (and cell phones and ipads), what vision reveals about the brain, and the relationship between seeing and knowing.

CCAP 300 Capstone Seminar

- Acquire and evaluate information from multiple and varied information sources that integrates two or more Tier II domains.
- Apply academic learning to the context of contemporary local and/or global communities.
- Investigate and analyze complex problems/issues and draw reasoned conclusions, providing comprehensive support for those conclusions.
- Effectively communicate ideas, solutions, and plans through a variety of media that must include a substantial writing component.
- Work effectively in collaboration with fellow students and/or community entities to create a product that demonstrates the student is able to connect academic learning and critical thinking skills with problems in the context of today's world.

RECENT TIER III OFFERINGS

- Africans in the Diaspora
- The Future of Food
- From DNA to Homo Sapien
- Science & Spirit
- Berkshire Art & Tourism
- Service Leadership
- News Literacy
- Light, Sight & Insight
- Changing North Amer. Landscape
- Entrepreneurship & Culture



ACADEMIC LISTINGS

ART

(413) 662-5255, www.mcla.edu/art
 Chairperson: Christine Condaris, PhD
 Email: FPA@mcla.edu

PROGRAMS AVAILABLE

BACHELOR OF ARTS IN ART

ART MINOR

ART HISTORY MINOR

**BACHELOR OF ARTS IN FPA WITH
 CONCENTRATION IN ART**

ART MAJOR PROGRAM

The Department of Fine and Performing Arts offers a four-year program leading to a Bachelor of Arts degree in Art. The art major features hands-on courses in the creation and techniques of art, as well as courses in visual culture and media. Classes include traditional and experimental approaches to media such as drawing, painting, design, photography, film-making, broadcast communications, computer graphics and costume design. After completing a series of foundation courses, advanced students design an individualized focus area based on their career goals, culminating in a final senior art project. Opportunities may include internships with area arts organizations such as the Massachusetts Museum of Contemporary Art (MASS MoCA), the Sterling and Francine Clark Art Institute, and MCLA's Gallery 51. In addition to the broad benefits of a liberal arts degree, by completing the art major program, students will be able to:

- Create original high-quality artworks;
- Understand all levels of art-making and visual creativity;
- Relate, analyze, and utilize the history of art and visual culture;
- Build public art presentations and marketing of their own and others' art.

Foundation Courses

ART 116	Introduction to Drawing	3 cr
ART 117	Great Monuments of Art I	3 cr
ART 118	Introduction to Design	3 cr
ART 212	Introduction to Painting	3 cr
ART 216	Intermediate Drawing	3 cr
ART 217	Great Monuments of Art II	3 cr
ART 218	Intermediate Design	3 cr
ART 221	Introductory Seminar in Art History	3 cr
ART 232	Intermediate Painting	3 cr
ART 299	Portfolio Assessment	1 cr
ART 312	Form & Composition	3 cr
ART 480	Senior Art Project	3 cr

TOTAL FOUNDATION COURSES 34 cr

Student-Designed Concentration (seven courses) Studio and production classes: Select five courses of which three must be 300 level or higher.

Cultural Contexts: Select two 300-level or higher art history, arts management and/or film studies courses.

TOTAL ART MAJOR REQUIREMENTS 55 cr

Studio and Production

ART 235	Studio Techniques
ART 305	The Human Figure
ART 306	The Concrete Poem
ART 315	Intermediate Art Lab
ART 412	Advanced Art Lab
ART 510	Studio Art Teaching Assistantship
CSCI 150	Computers & Visual Design
CSCI 208	Graphics I
CSCI 288	Web Page Design
CSCI 308	Graphics II
CSCI 408	Graphics III
ENGL 205	Intro to Photography
ENGL 210	Essentials of Film



- ENGL 211 Intro to Mass Media
- ENGL 214 Basic Television and Broadcast Production
- ENGL 314 Advanced Television and Broadcast Production
- ENGL 315 Constructing the Short Film
- ENGL 323 Publication Design & Typography
- ENGL 337 Advanced Photography
- ENGL 338 Photojournalism
- FPA 500 Supervised Independent Study
- FPA 540 Internship in Fine & Performing Arts
- THEA 272 Exploring Production
- THEA 320 Costume Construction & Crafts
- THEA 321 Scenery Construction & Painting
- THEA 379 Topics in Theatre Production (art-related only)

Cultural Contexts: Art History, Arts Management, or Film History Electives

- ART 311 Topics in Art History
- ART 321 Intermediate Seminar in Art History
- ART 413 Advanced Seminar in Art History
- AMGT 335 Museum Studies
- AMGT 435 Advanced Museum Studies
- ENGL 397 Special Topics in Film
- ENGL 412 Film and Filmmakers
- ENGL 481 Special Topics in Mass Communication

FINE AND PERFORMING ARTS MAJOR WITH CONCENTRATION IN ART PROGRAM

As an alternative to the art major program, students may opt to major in fine and performing arts with a concentration in art. For information about this program please refer to the fine and performing arts section of this catalog.

ART MINOR PROGRAM

Requirements

- ART 116 Introduction to Drawing 3 cr
- ART 117 Great Monuments of Art I 3 cr
- Select six credits of 100 or 200 level Studio Art Courses*

Select nine credits of 300 or 400 level Studio Art Courses*

*Students may select from the following electives:

- Any course with an ART prefix (Excluding ART 217, ART 221, ART 311, ART 321, ART 413, ART 510)
- CSCI 150 Computers and Visual Design
- CSCI 208 Graphics I
- CSCI 288 Web Page Design
- CSCI 308 Graphics II
- CSCI 408 Graphics III
- ENGL 205 Introduction to Black & White Photography
- ENGL 337 Advanced Photography

TOTAL ART MINOR REQUIREMENTS 21 cr

ART HISTORY MINOR PROGRAM

Requirements

- ART 117 Great Monuments of Art I 3 cr
- ART 217 Great Monuments of Art II 3 cr
- ART 221 Intro Seminar Art History 3 cr
- ART 311 Topics in Art 3 cr

Or AMGT 335 Museum Studies

- ART 311 Topics in Art (Different Topic) 3 cr

Or AMGT 435 Advanced Museum Studies*

- ART 321 Intermediate Seminar Art History 3 cr
- ART 413 Advanced Seminar Art History 3 cr

*Prerequisite: AMGT 335

TOTAL ART HISTORY MINOR REQUIREMENTS 21 cr



DEPARTMENT POLICY REGARDING DOUBLE MAJORS/CONCENTRATIONS/ MINOR PROGRAMS

Due to redundancies in program requirements, the Department of Fine & Performing Arts prohibits combination of the following programs:

- Art Major & FPA major/art concentration or art minor
- Arts management & FPA major/arts management concentration or arts management minor

ARTS MANAGEMENT

(413) 662-5255

www.mcla.edu/artsmanagement

Chairperson: Christine Condaris, PhD

Email: FPA@mcla.edu

PROGRAMS AVAILABLE

**BACHELOR OF ARTS IN ARTS
MANAGEMENT**

**BACHELOR OF ARTS IN FPA
WITH CONCENTRATION IN
ARTS MANAGEMENT**

ARTS MANAGEMENT MINOR

ARTS MANAGEMENT MAJOR PROGRAM

The Department of Fine and Performing Arts offers a four-year program leading to a Bachelor of Arts in Arts Management. This unique program is a total immersion in the business of the arts. The major features art, music and theatre, combined with business administration and public relations, to create expertise in grants and fund raising, museum studies, performing arts management, and other non-profit endeavors in the arts. The program's internship and future employment opportuni-

ties are enhanced through MCLA partners in the Berkshire art community, such as the Massachusetts Museum of Contemporary Art (MASS MoCA) and the Sterling and Francine Clark Art Institute, where MCLA students and graduates actively participate in many aspects of art administration. This hands-on connection to the creative economy - the interaction of arts, educational and business enterprises - serves as a culminating experience to the arts management curriculum and facilitates entry into an expanding job market in arts related enterprises. Students graduating with a degree in Arts Management will be able to:

- Demonstrate a broad-based understanding of issues in Arts Management including program development, fund raising and non-profit organization;
- Demonstrate an understanding in business concepts including financial accounting, management and marketing;
- Demonstrate practical experience in event coordination, audience development and project management;
- Demonstrate an awareness of the economic dimension of the arts.

Foundation Courses

AMGT	130	Introduction to Arts Management	3 cr
ART	117	Great Monuments of Art I	3 cr
BADM	100	Explorations of Business	3 cr
		Or ECON 141 Macroeconomics	
BADM	224	Financial Accounting	3 cr
		Or BADM 225 Managerial Accounting	
BADM	260	Management	3 cr
BADM	270	Marketing	3 cr
MUSI	251	Introduction to Music	3 cr
THEA	272	Exploring Production	3 cr
AMGT	235	Business Organization in Arts Management	3 cr

TOTAL FOUNDATION COURSES 27 cr



Arts Management Courses

ENGL	306	Business Writing & Presentation	3 cr
AMGT	330	Grants & Fund Raising	3 cr
AMGT	335	Museum Studies	3 cr
AMGT	340	Performing Arts Management	3 cr
AMGT	430	Topics in Arts Management	3 cr
FPA	540	Internship	3 cr

TOTAL ART MANAGEMENT REQUIREMENTS 18 cr

Select two electives from the following list:

AMGT	435	Advanced Museum Studies	
BADM	384	Marketing Communication	
BADM	387	Service & Event Marketing	
BADM	490	Special Topics in Bus. Admin. (Topic relevant to Arts Management)	
ECON	377	Economics of Culture and Tourism; AMGT	
ENGL	211*	Introduction to Mass Media	
ENGL	318	The Popular Arts as Business (film & TV production, music production, magazine publication)	
ENGL	396*	Public Relations	
FPA	500	Supervised Independent Study	

*Note: ENGL 211 & ENGL 396 must be taken as a two-course block if chosen to fill this elective requirement

TOTAL ELECTIVES COURSE 6 cr

TOTAL ARTS MANAGEMENT MAJOR REQUIREMENTS 51 cr

FINE AND PERFORMING ARTS MAJOR WITH CONCENTRATION IN ARTS MANAGEMENT PROGRAM

As an alternative to the arts management major program, students may opt to major in fine and performing arts with a concentration in arts management. For information about this program please refer to the fine and performing arts section of this catalog.

ARTS MANAGEMENT MINOR PROGRAM

Requirements

AMGT	130	Introduction to Arts Management	3 cr
AMGT	235	Business Organization in Arts Mngmt	3 cr
AMGT	330	Grants/Fund Raising	3 cr
AMGT	335	Museum Studies	3 cr
AMGT	340	Performing Arts Management	3 cr
AMGT	430	Topics in Arts Management	3 cr
Or AMGT	435	Advanced Museum Studies	

TOTAL ARTS MANAGEMENT MINOR REQUIREMENTS 18 cr

DEPARTMENT POLICY REGARDING DOUBLE MAJORS/ CONCENTRATIONS/MINOR PROGRAMS

Due to redundancies in program requirements, the Department of Fine & Performing Arts prohibits combination of the following programs:

- Art major and FPA major/art concentration or art minor
- Arts Management and FPA Major/Arts Management Concentration or Arts Management Minor



ATHLETIC TRAINING

(413) 662-5345, www.mcla.edu/attr
Chairperson: A.Billetz@mcla.edu

PROGRAM AVAILABLE BACHELOR OF SCIENCE IN ATHLETIC TRAINING

ATHLETIC TRAINING MAJOR PROGRAM

The Department of Biology offers a four-year program leading to a Bachelor of Science in athletic training. The athletic training major integrates both liberal arts and professional studies to provide a comprehensive and challenging education program. Students will receive instruction in athletic training specific course work through classroom, laboratory and clinical education. The program also requires that students obtain 1,000 hours of clinical experience.

The athletic training major consists of two parts; a pre-clinical portion and a clinical education portion. Any student wishing to pursue a Bachelors of Science in athletic training must be admitted to the clinical education portion of the major. The clinical education portion must be completed over a minimum of two academic years (four semesters). Students must be in academic good standing and complete a formal application into the clinical education portion of the program. Details on specific requirements and the admission process for entering freshman or transfers can be found on the website at: www.mcla.edu/Undergraduate/majors/athletictraining/

Upon completion of the athletic training major, graduates will be able to:

- Demonstrate effective written and oral communication skills;

- Demonstrate the ability to synthesize, critically appraise, and apply knowledge attained throughout the program;
- Demonstrate professional and ethical behavior consistent with the National Athletic Training Association Code of Ethics and the Massachusetts Standards of Practice and Code of Ethics for Athletic Training;
- Demonstrate the basic knowledge and skills related to evidence-based practice.
- Demonstrate mastery of cognitive and psychomotor competencies, as well as clinical proficiencies outlined by the National Athletic Training Association Education Council.
- Students will be able to demonstrate the basic knowledge and skills related to evidence-based practice.

Requirements

ATTR	100	Observation in Athletic Training I	1 cr
ATTR	101	Observation in Athletic Training II	1 cr
ATTR	200	Practicum in Athletic Training I	1 cr
ATTR	201	Practicum in Athletic Training II	1 cr
ATTR	220	Introduction to Athletic Training I	3 cr
ATTR	221	Introduction to Athletic Training II	3 cr
ATTR	300	Practicum in Athletic Training III	1 cr
ATTR	301	Practicum in Athletic Training IV	1 cr
ATTR	321	Lower Body Assessment	4 cr
ATTR	322	Upper Body Assessment	4 cr
ATTR	337	Modalities in Athletic Training	4 cr
ATTR	338	Therapeutic Exercise	3 cr
ATTR	340	Athletic Training Management	3 cr



ATTR	400	Practicum in Athletic Training V	1 cr
ATTR	401	Practicum in Athletic Training VI	1 cr
ATTR	450	General Medicine in Athletic Training	1 cr
BIOL	150	Introduction to Biology	4 cr
BIOL	250	Nutrition	3 cr
BIOL	307	Pharmacology	3 cr
BIOL	316	Functional Human Anatomy	3 cr
BIOL	342	Anatomy & Physiology I	4 cr
BIOL	343	Anatomy & Physiology II	4 cr
BIOL	440	Physiological Aspects of Exercise	4 cr
BIOL	484	Biomechanical Analysis of Human Movement	3 cr
CHEM	150	Introduction to Chemistry I	4 cr
CHEM	152	Introduction to Chemistry II	4 cr
MATH	232	Statistics	3 cr
PHED	120	Emergency Medical Response	1 cr
PHED	160	Strength and Conditioning	1 cr
PHED	215	Lifetime Wellness	3 cr
PSYC	100	Introduction to Psychology	3 cr
PSYC	230	Social Psychology	3 cr

A total of 1000 hours of clinical experience time

TOTAL ATHLETIC TRAINING MAJOR REQUIREMENTS 83 cr

BIOLOGY

(413) 662-5345, www.mcla.edu/biol
 Chairperson: A.Billetz@mcla.edu

PROGRAMS AVAILABLE
BACHELOR OF SCIENCE IN BIOLOGY
BACHELOR OF SCIENCE IN ATHLETIC TRAINING
BIOLOGY MINOR
CONCENTRATION IN PRE-PROFESSIONAL
CONCENTRATION IN PRE-PHYSICAL THERAPY
CONCENTRATION IN MEDICAL TECHNOLOGY
CONCENTRATION IN BIOTECHNOLOGY
TEACHING LICENSURE
CONCENTRATION IN ALLIED HEALTH

BIOLOGY MAJOR PROGRAM

The Department of Biology offers a four-year program leading to a Bachelor of Science in biology. The curriculum is built upon four foundational courses which explore the field of biology from the molecular and cellular level to the level of populations and ecosystems. In these courses, students seek to understand the origin, evolution, and physiological mechanisms of all forms of life. Advanced courses build upon information learned in the foundational courses and allow students to pursue their own areas of interest.

Upon completion of their program, graduates will be able to:

- Understand fundamental concepts in the discipline;
- Write a lab report to communicate the findings of a scientific experiment;



- Design an experiment to test a hypothesis;
- Find and analyze primary literature in the field;
- Demonstrate appropriate technical skills in the laboratory;
- Analyze data with appropriate statistical analysis.

BIOLOGY MAJOR Requirements

Foundation Courses

BIOL 150	Introduction to Biology (1st semester)	4 cr
BIOL 235	Botany	4 cr
BIOL 240	Genetics	4 cr
BIOL 245	Zoology	4 cr
BIOL 101	Biology Seminar for Entering Majors	1 cr
BIOL 330	Seminar	1 cr
BIOL 460	Ecology	4 cr
BIOL 480	Cell Biology	4 cr
	Biology Electives upper division biology courses	9 cr
CHEM 150	Introduction to Chemistry I	4 cr
CHEM 152	Introduction to Chemistry II	4 cr
CHEM 201	Organic Chemistry I	4 cr
CHEM 202	Organic Chemistry II	4 cr
PHYS 131	General Physics I	4 cr
PHYS 132	General Physics II	4 cr
MATH 150	Precalculus	3 cr
	Or MATH 220 Calculus I	
	Or MATH 232 Introduction to Statistics	

TOTAL BIOLOGY MAJOR REQUIREMENTS 62 cr

CONCENTRATION IN PRE-PROFESSIONAL

The Biology Department's pre-professional concentration provides the solid science background necessary for admission to medical, dental, veterinarian, and Pharmacy school. In

addition to class work, pre-professional students are strongly encouraged to gain experience through undergraduate research, clinical internships and volunteer work in the medical field. The Department's pre-professional concentration facilitates this process.

PRE-PROFESSIONAL CONCENTRATION Requirements

Biology Major Foundation Courses		16 cr
BIOL 101	Biology Seminar for Entering Majors	1 cr
BIOL 310	Animal Physiology	4 cr
BIOL 330	Seminar	1 cr
BIOL 360	Biochemistry	3 cr
BIOL 480	Cell Biology	4 cr
PHYS 131	General Physics I	4 cr
PHYS 132	General Physics II	4 cr
CHEM 150	Introduction to Chemistry I	4 cr
CHEM 152	Introduction to Chemistry II	4 cr
CHEM 201	Organic Chemistry I	4 cr
CHEM 202	Organic Chemistry II	4 cr
	Biology Electives	6 cr
MATH 150	Pre-Calculus or MATH 220 Calculus I or MATH 232 Introduction to Statistics	

TOTAL PRE-PROFESSIONAL CONCENTRATION REQUIREMENTS 62 cr

MCLA-NEW YORK COLLEGE OF PODIATRIC MEDICINE ARTICULATION PROGRAM

This agreement allows MCLA students to simultaneously complete their senior year of undergraduate study and their first year of podiatric medicine at the New York College of Podiatric Medicine (NYCPM). MCLA will count credits from NYCPM toward a B.S. in biology. Students must meet admission require-



ments of NYCPM and fulfill departmental and articulation agreement requirements to be eligible for this program. Please contact the Biology Department for more information.

CONCENTRATION IN PRE-PHYSICAL THERAPY

The Biology Department's pre-physical therapy concentration provides the science background required for most doctoral programs in physical therapy. In addition, an articulation agreement with The Sage Colleges in Albany, N.Y., ensures that students who meet admission requirements at Sage and fulfill departmental and articulation requirements at MCLA will be accepted into the Doctor of Physical Therapy program at The Sage Colleges. Please contact Dr. Ann Billetz for more information about this program.

PRE-PHYSICAL THERAPY CONCENTRATION

Requirements

BIOL	101	Biology Seminar for Entering Majors	1 cr
BIOL	150	Introduction to Biology	4 cr
BIOL	240	Genetics	4 cr
BIOL	245	Zoology	4 cr
BIOL	330	Seminar	1 cr
BIOL	342	Anatomy & Physiology I	4 cr
BIOL	343	Anatomy & Physiology II	4 cr
BIOL	440	Physiological Aspects of Exercise	4 cr
Upper Level Biology Electives			3 cr
CHEM	150	Introduction to Chemistry I	4 cr
CHEM	152	Introduction to Chemistry II	4 cr
CHEM	201	Organic Chemistry I	4 cr
CHEM	202	Organic Chemistry II	4 cr
MATH	232	Introduction to Statistics	3 cr
PHYS	131	General Physics I	4 cr
PHYS	132	General Physics II	4 cr

PSYC	100	Introduction to Psychology	3 cr
PSYC	210	Developmental Psychology	3 cr

TOTAL PRE-PHYSICAL THERAPY CONCENTRATION REQUIREMENTS **62 cr**

Students must acquire an overall GPA of 3.25 and a minimum science GPA of 3.25.

Students must also complete 40 hours of clinical observation with a physical therapist.

MCLA-SAGE COLLEGE ARTICULATION PROGRAM IN OCCUPATIONAL THERAPY

This agreement allows MCLA students to continue their studies in occupational therapy at The Sage Colleges in Albany, N.Y. Students must meet admission requirements at The Sage Colleges and fulfill departmental and articulation requirements at MCLA. Please contact Dr. Ann Billetz for more information about this program. Students must acquire a minimum overall GPA of 3.25 and a grade of C or better in the above specified courses.

BIOL	150	Introduction to Biology	4 cr
BIOL	342	Anatomy & Physiology I	4 cr
BIOL	343	Anatomy & Physiology II	4 cr
PHYS	131	General Physics	4 cr
PSYC	100	Introduction to Psychology	3 cr
PSYC	208	Applied Developmental Psychology	3 cr
Or PSYC 210 Developmental Psychology			
And PSYC 388 Adulthood and Aging			
PSYC	270	Abnormal Psychology	3 cr
PSYC	290	Statistical Methods in Psychology	4 cr
SOCI	100	Introduction to Sociology	3 cr



**TOTAL MCLA-SAGE COLLEGE
ARTICULATION
PROGRAM IN OCCUPATIONAL
THERAPY REQUIREMENTS 35 cr**

**CONCENTRATION IN MEDICAL
TECHNOLOGY**

The Department of Biology offers a four-year program in medical technology.

Students spend their first three years on the MCLA campus obtaining a liberal arts education with a broad background in science, thereby providing the education necessary for professional responsibilities. The fourth year of the program consists of coursework in an accredited hospital with a school of medical technology. During the hospital coursework, students receive clinical laboratory training. Hospitals and adjunct faculty affiliated with MCLA are as follows:

**BERKSHIRE MEDICAL CENTER,
PITTSFIELD**

Lori Moore, B.S., MT (ASCP) Educational Coordinator

Jessica Krochmal, MD, Medical Director
Medical Technology Concentration

Requirements

Biology Major Foundation Courses **16 cr**

BIOL	101	Biology Seminar for Entering Majors	1 cr
BIOL	305	Immunology	3 cr
BIOL	320	Microbiology	4 cr
BIOL	342	Anatomy & Physiology I	4 cr
BIOL	343	Anatomy & Physiology II	4 cr
BIOL	491	BMC: Clinical Chemistry	8 cr
BIOL	492	BMC: Clinical Molecular Biology	1 cr
BIOL	493	BMC: Clinical Immunology	1 cr
BIOL	494	BMC: Clinical Hematology	8 cr

BIOL	495	BMC: Clinical Urinalysis & Body Fluid	1 cr
BIOL	496	BMC: Clinical Microbiology	8 cr
BIOL	497	BMC: Clinical Immunohematology	5 cr
CHEM	150	Introduction to Chemistry I	4 cr
CHEM	152	Introduction to Chemistry II	4 cr
CHEM	201	Organic Chemistry I	4 cr
CHEM	202	Organic Chemistry II	4 cr
Or BIOL	360	Biochemistry	3 cr
MATH	232	Introduction to Statistics	3 cr

**TOTAL MEDICAL TECHNOLOGY
CONCENTRATION
REQUIREMENTS 82 - 83 cr**

**CONCENTRATION IN
BIOTECHNOLOGY**

The Department of Biology offers a four-year program in biotechnology. The Biology Department's biotechnology concentration provides students with a strong background in both biology and chemistry. This concentration has a strong emphasis on laboratory coursework, which prepares students for a wide range of careers in the field of biotechnology. Students are strongly encouraged to gain experience through undergraduate research and/or internships.

BIOL	101	Biology Seminar for Majors	1 cr
BIOL	150	Introduction of Biology	4 cr
BIOL	235	Botany	4 cr
BIOL	240	Genetics	4 cr
BIOL	245	Zoology	4 cr
BIOL	310	Animal Physiology	4 cr
BIOL	320	Microbiology	4 cr
BIOL	330	Seminar	1 cr
BIOL	360	Biochemistry	3 cr
BIOL	410	Biotechniques	4 cr
BIOL	480	Cell Biology	4 cr



CHEM 150	Introduction to Chemistry I	4 cr	MATH 232	Introduction to Statistics	3 cr
CHEM 152	Introduction to Chemistry II	4 cr	TOTAL ALLIED HEALTH CONCENTRATION REQUIREMENTS		
CHEM 201	Organic Chemistry I	4 cr	63 cr		
CHEM 202	Organic Chemistry II	4 cr	<hr/>		
CHEM 310	Analytical Chemistry	4 cr	BIOLOGY MINOR PROGRAM Requirements		
PHYS 131	General Physics I	4 cr	BIOL 100	Concepts in Biology	4 cr
PHYS 132	General Physics II	4 cr	Or BIOL 150 Introduction to Biology		
MATH 150	Precalculus	3 cr	Choose one of the following:		
MATH 232	Introduction to Statistics	3 cr	4 cr		

TOTAL BIOTECHNOLOGY CONCENTRATION \ REQUIREMENTS 71 cr

MCLA – BERKSHIRE COMMUNITY COLLEGE BIOTECHNOLOGY ARTICULATION AGREEMENT

This program is a 2 + 2 program with Berkshire Community College, which allows students who complete BCC's liberal arts biotechnology concentration to transfer seamlessly into MCLA's Biology Major with a concentration in biotechnology.

BIOL 150	Introduction to Biology	4 cr
BIOL 235	Botany	
Or BIOL 245	Zoology	4 cr
BIOL 240	Genetics	4 cr
BIOL 101	Biology Seminar for Majors	1 cr
BIOL 250	Nutrition	3 cr
BIOL 330	Biology Seminar	1 cr
BIOL 342	Anatomy & Physiology I	4 cr
BIOL 343	Anatomy & Physiology II	4 cr
BIOL 480	Cell Biology	4 cr
BIOL 320	Microbiology	4 cr
BIOL	upper level elective	3 cr
CHEM 150 & 152	General Chemistry I & II	8 cr
CHEM 201 & 202	Organic Chemistry I & II	8 cr
PHYS 131 & 132	General Physics I & II	8 cr

BIOL 235	Botany	
BIOL 240	Genetics	
BIOL 245	Zoology	
Biology electives		12 cr
(One elective must be at 300 level or above, remaining electives at the 200 level or above)		

TOTAL BIOLOGY MINOR REQUIREMENTS 20 cr

TEACHING LICENSURE

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

BIOLOGY AWARDS

Awards will be given annually to graduating seniors who have demonstrated outstanding performance in course work as well as in independent research. Students recommended for this award must meet the following criteria:

- A minimum overall GPA of 3.20
- A minimum GPA of 3.50 in courses counting towards the biology major
- Above average achievement in at least one semester of independent research.



- Result of the research project must be presented at the College's Undergraduate Research Conference.
- A minimum of 16 BIOL credit hours taken at MCLA (not counting independent research credit hours)

BUSINESS ADMINISTRATION AND ECONOMICS

(413) 662-5311, www.mcla.edu/badm
Chairperson: D.Eve@mcla.edu

PROGRAMS AVAILABLE

- BACHELOR OF SCIENCE IN
BUSINESS ADMINISTRATION
- GENERAL BUSINESS
ADMINISTRATION
- ACCOUNTING CONCENTRATION
- BUSINESS INFORMATION
SYSTEMS CONCENTRATION
- EVENT & SPORT MANAGEMENT
CONCENTRATION
- INTERNATIONAL BUSINESS
CONCENTRATION
- MANAGEMENT CONCENTRATION
- MARKETING CONCENTRATION
- BUSINESS ADMINISTRATION MINOR
- ECONOMICS MINOR
- MARKETING MINOR
- TEACHING LICENSURE

BUSINESS ADMINISTRATION AND ECONOMICS MAJOR PROGRAM

The Department of Business Administration and Economics offers a four-year program leading to a Bachelor of Science in business administration. The program is designed to develop liberally educated professionals with

the knowledge, perspectives, problem-solving abilities and ethical values necessary for successful careers and responsible citizenship. The program has several options, including a general program in business administration, as well as six areas of concentration. All of our options offer a strong foundation of required courses, combined with appropriate departmental and non-departmental courses that give students a strong base in communication, technical and administrative skills. The goal of our program is for students to become academically well-rounded and technically prepared for a career in business, government, non-profit organizations or for graduate study. Students graduating with a degree in business administration are expected to:

- Understand and apply professionally marketable knowledge;
- Think creatively and critically;
- Define, analyze, evaluate, and solve problems;
- Express their ideas effectively both orally and in writing;
- Apply current information technology tools to business problems;
- Be prepared to function effectively in a culturally and demographically diverse environment;
- Relate to the needs of the global business community;
- Utilize and value a liberal arts education in their personal and professional lives.

GENERAL BUSINESS ADMINISTRATION

Requirements

BADM	100	Explorations in Business	3 cr
ECON	141	Macroeconomics	3 cr
ECON	142	Microeconomics	3 cr
BADM	206	Math Methods of Business & Econ.	3 cr
ECON	216	Statistics for Economics and Business	3 cr



BADM 210	Information Technology for Business	3 cr
BADM 224	Financial Accounting	3 cr
BADM 225	Managerial Accounting	3 cr
BADM 242	Legal & Social Environ of Business	
Or BADM 201	Business Law I	3 cr
BADM 260	Management	3 cr
BADM 270	Marketing	3 cr
BADM 340	Financial Management	3 cr
BADM 510	Seminar in Business Policy	3 cr
Required Support Courses		
ENGL 303	Writing Prose	3 cr
Or ENGL 305	Magazine Writing and Editing	
Or ENGL 306	Business Writing and Presentation	

Business Administration Courses 12 cr

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

TOTAL BUSINESS ADMINISTRATION MAJOR REQUIREMENTS 54 cr

CONCENTRATION IN ACCOUNTING

Requirements

BADM 100	Explorations in Business	3 cr
ECON 141	Macroeconomics	3 cr
ECON 142	Microeconomics	3 cr
BADM 206	Math Methods of Business & Econ.	3 cr
ECON 216	Statistics for Economics and Business	3 cr
BADM 210	Information Technology for Business	3 cr
BADM 224	Financial Accounting	3 cr
BADM 225	Managerial Accounting	3 cr
BADM 242	Legal & Social Environ of Business	3 cr

Or BADM 201	Business Law I (Recommended)	
BADM 260	Management	3 cr
BADM 270	Marketing	3 cr
BADM 340	Financial Management	3 cr
BADM 510	Seminar in Business Policy	3 cr

ACCOUNTING

Requirements

BADM 320	Accounting Systems	3 cr
BADM 321	Financial Reporting I	3 cr
BADM 322	Financial Reporting II	3 cr
BADM 330	Cost Accounting	3 cr
BADM 335	Federal Taxation - Individuals	3 cr

Select two of the following*: 6 cr

BADM 421	Advanced Financial Reporting	
BADM 423	Auditing	
BADM 435	Federal Taxation - Entities	
BADM 550	Accounting Internship	

* Note: Student career goals in accounting, such as CPA licensure, will determine the best choice of courses. Students should confer with their faculty advisor as to the most appropriate selection of courses to meet their goals.

Required Support Courses

ENGL 303	Writing Prose	3 cr
Or ENGL 305	Magazine Writing and Editing	
Or ENGL 306	Business Writing and Presentation	

TOTAL ACCOUNTING CONCENTRATION REQUIREMENTS 63 cr

CONCENTRATION IN BUSINESS INFORMATION SYSTEMS

Requirements

BADM 100	Explorations in Business	3 cr
BADM 206	Math Methods in Business	6 cr
And ECON 216	Statistics for Economics & Business	
Or MATH 232	Introduction to Statistics	



And MATH 250 Discrete Mathematics
 BADM 210 Information Technology for Business 3 cr
 BADM 225 Managerial Accounting 3 cr
 Or BADM 224 Financial Accounting
 BADM 260 Management 3 cr
 BADM 270 Marketing 3 cr
 Two upper-level BADM/ECON courses 6 cr

Total Business Administration 27 cr

CSCI 162 Business Information Systems 3 cr
 CSCI 236 Web Development 3 cr
 CSCI 243 Database Development 3 cr
 CSCI 246 Programming in Visual Basic I 3 cr
 CSCI 248 Programming in Visual Basic II 3 cr
 CSCI 252 Systems Development 3 cr
 CSCI 343 Server-side Software Development 3 cr
 Or CSCI 336 Advanced Web Development
 CSCI 402 Network Systems Administration 3 cr

Total Computer Science Content 24 cr

TOTAL BUSINESS INFORMATION SYSTEMS CONCENTRATION REQUIREMENTS 51 cr

CONCENTRATION IN EVENT & SPORT MANAGEMENT

Requirements

BADM 100 Explorations in Business 3 cr
 ECON 141 Macroeconomics 3 cr
 ECON 142 Microeconomics 3 cr
 BADM 206 Math Methods of Business & Econ. 3 cr
 ECON 216 Statistics for Economics and Business 3 cr
 BADM 210 Information Technology for Business 3 cr
 BADM 224 Financial Accounting 3 cr
 BADM 225 Managerial Accounting 3 cr
 BADM 242 Legal & Social Environ of

Business 3 cr
 Or BADM 201 Business Law I
 BADM 260 Management 3 cr
 BADM 270 Marketing 3 cr
 BADM 340 Financial Management 3 cr
 BADM 510 Seminar in Business Policy 3 cr

Required Support Courses

ENGL 303 Writing Prose 3 cr
 Or ENGL 305 Magazine Writing & Editing
 Or ENGL 306 Business Writing & Presentation

EVENT MANAGEMENT TRACK

Requirements

BADM 240 Issues in Event & Sport Management 3 cr
 BADM 387 Service & Event Marketing 3 cr
 ECON 377 Economics of Culture & Tourism 3 cr
 BADM 475 Seminar in Sport & Event Mngmt 3 cr
 Select two of the following: 6 cr
 BADM 366 Team Facilitation
 BADM 384 Marketing Communications
 ENGL 318 Popular Arts as Business
 GEOG 320 Tourism Planning & Development

SPORT MANAGEMENT TRACK

Requirements

BADM 240 Issues in Event & Sport Management 3 cr
 BADM 345 Sport Finance & Economics 3 cr
 BADM 386 Sport Marketing 3 cr
 BADM 475 Seminar in Sport & Event Mngmt 3 cr
Select two of the following: 6 cr

BADM 366 Team Facilitation
 BADM 384 Marketing Communications
 ENGL 378 Sports Literature
 PHED 395 Special Topics in Phys. Ed.: Athletic Team & Facilities Management



SOCI 316 Sociology of Sports

**TOTAL EVENT & SPORT
MANAGEMENT CONCENTRATION
REQUIREMENTS 60 cr**

**CONCENTRATION IN
INTERNATIONAL BUSINESS
Requirements**

- BADM 100 Explorations in Business 3 cr
- ECON 141 Macroeconomics 3 cr
- ECON 142 Microeconomics 3 cr
- BADM 206 Math Methods of Business & Econ. 3 cr
- ECON 216 Statistics for Economics & Business 3 cr
- BADM 210 Information Technology for Business 3 cr
- BADM 224 Financial Accounting 3 cr
- BADM 225 Managerial Accounting 3 cr
- BADM 242 Legal & Social Environ of Business 3 cr
- Or BADM 201 Business Law I
- BADM 260 Management 3 cr
- BADM 270 Marketing 3 cr
- BADM 340 Financial Management 3 cr
- ECON 340 Money, Banking & Global Fin Mrkts 3 cr
- BADM 350 Global Business & Economic Issues 3 cr
- BADM 385 Global Marketing 3 cr
- ENGL 400 Intercultural Communication 3 cr
- BADM 510 Seminar in Business Policy 3 cr
- Choose two of the following: 6 cr
 - HIST 401 Asia and the West
 - TRVL 300 Multinational Corp & Cultural Tour China
 - OR 6 credits drawn from appropriate History, Political Science, Anthropology, Travel and/or Study Abroad courses

Required Support Courses

- ENGL 303 Writing Prose 3 cr
- Or ENGL 305 Magazine Writing and Editing
- Or ENGL 306 Business Writing and Presentation

**TOTAL INTERNATIONAL BUSINESS
CONCENTRATION
REQUIREMENTS 60 cr**

**CONCENTRATION IN MANAGEMENT
Requirements**

- BADM 100 Explorations in Business 3 cr
- ECON 141 Macroeconomics 3 cr
- ECON 142 Microeconomics 3 cr
- BADM 206 Math Methods of Business & Econ. 3 cr
- ECON 216 Statistics for Economics & Business 3 cr
- BADM 210 Information Technology for Business 3 cr
- BADM 224 Financial Accounting 3 cr
- BADM 225 Managerial Accounting 3 cr
- BADM 242 Legal & Social Environ of Business 3 cr
- Or BADM 201 Business Law I
- BADM 260 Management 3 cr
- BADM 270 Marketing 3 cr
- BADM 340 Financial Management 3 cr
- BADM 510 Seminar in Business Policy 3 cr
- Select three from the following: 9 cr
 - BADM 361 Organizational Behavior
 - BADM 362 Human Resource Management
 - BADM 363 Operations Management
 - ECON 343 Managerial Economics
- Select one of the following: 3 cr
 - BADM 365 Labor & Labor Law
 - BADM 366 Team Facilitation
 - BADM 367 Small Business Entrepreneurship
 - BADM 405 Contemp. Business & Organizational Issues or any unselected course listed above (BADM 361, BADM 362, BADM 363, or ECON 343)



Choose any two departmental electives (BADM or ECON prefix), 300 level or higher, which may include any unselected course listed above. 6 cr

Required Support Courses

ENGL 303 Writing Prose 3 cr
 Or ENGL 305 Magazine Writing and Editing
 Or ENGL 306 Business Writing and Presentation

TOTAL MANAGEMENT CONCENTRATION REQUIREMENTS 60 cr

ARTS MANAGEMENT PROGRAM

The Department of Business Administration and Economics offers courses as part of the arts management degree program within the Department of Fine and Performing Arts. The arts management program is an integrative program including coursework from the Departments of Business Administration, English/Communication, and Fine and Performing Arts. Please refer to the arts management section of this catalog for more information.

CONCENTRATION IN MARKETING

Requirements

BADM 100 Explorations in Business 3 cr
 ECON 141 Macroeconomics 3 cr
 ECON 142 Microeconomics 3 cr
 BADM 206 Math Methods of Business & Econ. 3 cr
 ECON 216 Statistics for Economics & Business 3 cr
 BADM 210 Information Technology for Business 3 cr
 BADM 224 Financial Accounting 3 cr
 BADM 225 Managerial Accounting 3 cr
 BADM 242 Legal & Social Environment of Business 3 cr
 Or BADM 201 Business Law I
 BADM 260 Management 3 cr

BADM 270 Marketing 3 cr
 BADM 340 Financial Management 3 cr
 BADM 510 Seminar in Business Policy 3 cr

Select three from the following: 9 cr

BADM 380 Strategic Marketing
 BADM 381 Consumer Behavior
 BADM 382 Marketing Research
 BADM 384 Marketing Communications

Select one of the following: 3 cr

BADM 385 Global Marketing
 BADM 386 Sport Marketing
 BADM 387 Service & Event Marketing

Or any unselected course listed above (BADM 380, BADM 381, BADM 382, or BADM 384)

Select any two departmental electives (BADM or ECON prefix), 300 level or higher, which may include any unselected courses listed above 6 cr

Required Support Courses

ENGL 303 Writing Prose 3 cr
 Or ENGL 305 Magazine Writing and Editing
 Or ENGL 306 Business Writing and Presentation

TOTAL MARKETING CONCENTRATION REQUIREMENTS 60 cr

TEACHING LICENSURE

Students majoring in business administration may opt to pursue initial teacher licensure as a high school teacher of business. Students seeking this license must complete a business administration major, education major and a licensure program in education. For more information contact the Education Department.

**BUSINESS ADMINISTRATION
MINOR PROGRAM**

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

**BUSINESS ADMINISTRATION MINOR
Requirements**

BADM 100	Explorations in Business	3 cr
Or ECON 141 Macroeconomics		
BADM 224	Financial Accounting	3 cr
BADM 260	Management	3 cr
BADM 270	Marketing	3 cr
Two electives selected from any 300 level		
Or higher department offering for which pre		
requisites have been met.		6 cr

**TOTAL BUSINESS ADMINISTRATION
MINOR REQUIREMENTS 18 cr****ECONOMICS MINOR PROGRAM**

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

**ECONOMICS MINOR
Requirements**

ECON 141	Macroeconomics	3 cr
ECON 142	Microeconomics	3 cr
ECON 216	Statistics for Economics & Business	3 cr
Three economics elective courses, two of		
which must be at the 300 level or higher		9 cr

**TOTAL ECONOMICS MINOR
REQUIREMENTS 18 cr****MARKETING MINOR PROGRAM**

The marketing minor is an excellent program for students in any major, as almost everyone will promote something in their lifetime - a product, a service, a cause, an idea or themselves! It's especially appropriate for students majoring in Arts Management, Corporate Communications, Environmental Studies, or Public Relations. This program provides the fundamental principles and concepts of marketing as well as courses in understanding consumer behavior and marketing in various types of environments.

**MARKETING MINOR
Requirements**

BADM 100	Explorations in Business	3 cr
BADM 270	Marketing	3 cr
BADM 381	Consumer Behavior	3 cr
ECON 142	Microeconomics	3 cr

Three courses chosen from the below list: 9 cr

BADM 380	Strategic Marketing
BADM 382	Marketing Research (has additional prereqs)
BADM 384	Marketing Communications
BADM 385	Global Marketing
BADM 386	Sport Marketing (has additional prereqs)
BADM 387	Service & Event Marketing

**TOTAL MARKETING MINOR
REQUIREMENTS 21 cr**



CHEMISTRY

(413) 662-5447, www.mcla.edu/chem
 Chairperson: D.Levine@mcla.edu

PROGRAM AVAILABLE BACHELOR OF SCIENCE IN CHEMISTRY CHEMISTRY MINOR

CHEMISTRY MAJOR PROGRAM

Students graduating with a minor in chemistry will be able to:

- Demonstrate knowledge of basic principles and theories in analytical, organic, physical chemistry and inorganic or biochemistry;
- Apply chemical principles through problem solving and laboratory experimentation;
- Demonstrate competency in use of various laboratory instruments.

CHEMISTRY MINOR PROGRAM

Students graduating with a minor in Chemistry will be able to:

- Demonstrate knowledge of basic principles and theories in analytical, organic and one of the following sub areas: inorganic, biochemistry and physical chemistry
- Apply chemical principles through problem solving and laboratory experimentation
- Demonstrate competency in use of basic laboratory instruments.

CHEMISTRY MINOR

Requirements

CHEM 150	Introduction to Chemistry I	4 cr
CHEM 152	Introduction to Chemistry II	4 cr
CHEM 201	Organic Chemistry I	4 cr
CHEM 202	Organic Chemistry II	4 cr
CHEM 310	Analytical Chemistry	4 cr
One upper-level chemistry elective (Excluding seminars and core curriculum courses)		3 cr

TOTAL CHEMISTRY MINOR REQUIREMENTS

23 cr

CHEMISTRY MAJOR

Requirements

CHEM 150	General Chemistry I	4 cr
CHEM 152	General Chemistry II	4 cr
CHEM 201	Organic Chemistry I	4 cr
CHEM 250	Inorganic Chemistry	3 cr
CHEM 310	Analytical Chemistry	4 cr
CHEM 301	Physical Chemistry I	3 cr
CHEM 302	Physical Chemistry II	3 cr
CHEM 401	Advanced Laboratory	3 cr
CHEM 410	Instrumentation lab	3 cr
BIOL 360	Biochemistry	3 cr
CHEM 490	Chemistry Seminar	1 cr
MATH 150	Pre-Calculus	3 cr
MATH 220	Calc I	3 cr
MATH 320	Calc II	3 cr
PHYS 151	Intro Physics I	4 cr
PHYS 152	Intro Physics II	4 cr
BIOL 150	Intro Biology	4 cr

TOTAL CHEMISTRY MAJOR REQUIREMENTS

60 cr

COMPUTER SCIENCE AND INFORMATION SYSTEMS

(413) 662-5591, www.mcla.edu/csci
 Chairperson: Mike.Dalton@mcla.edu

PROGRAMS AVAILABLE BACHELOR OF SCIENCE IN COMPUTER SCIENCE COMPUTER SCIENCE MINOR INFORMATION TECHNOLOGY MINOR CONTRACT MINOR



COMPUTER SCIENCE MAJOR PROGRAM

The Department of Computer Science offers a four-year program leading to a Bachelor of Science in Computer Science, focused on software development. Students majoring in other departments may complete a minor in Computer Science or a minor in information technology.

Software development encompasses a broad range of computing and communications technologies that are used for the development of business, commerce, robotics, entertainment, educational, medical and information system products. The dependence on modern computer systems has created a growing demand for software developers who can meet the needs of businesses and consumers. The application of these technologies now stretches from the factory floor to the office, boardroom and home. Current products range from stand alone applications to fully distributed networked systems, and are made possible by the concepts of object oriented programming and design. Career opportunities for graduates with these skills exist both in Internet companies and in more traditional companies that have a need for distributed systems of networked computers and software systems. Recent graduates have found employment with Internet startup companies, the insurance industry, communications companies and government contractors. The major program is designed to provide students with a strong grounding in several areas. Students graduating with a degree in computer science will be able to:

- Develop and maintain professional quality software applications, products, and systems;
- Competently use major software applications found in industry;
- Communicate ideas effectively with others;
- Create and maintain hardware systems.

COMPUTER SCIENCE MAJOR Requirements

CSCI	101	Introduction to Computer Science	3 cr
CSCI	121	Programming in Java I	3 cr
CSCI	122	Programming in Java II	3 cr
CSCI	221	Programming in Java III	3 cr
CSCI	222	Programming in Java IV	3 cr
CSCI	235	Digital Circuit Design	4 cr
CSCI	236	Web Development	3 cr
CSCI	243	Database Development	3 cr
CSCI	328	Object Oriented Design	3 cr
CSCI	330	Programming in C++	3 cr
CSCI	343	Server-Side Software Development	3 cr
CSCI	402	Networked Systems Administration	3 cr
CSCI	452	N-tiered Software Development I	3 cr
CSCI	453	N-tiered Software Development II	3 cr
CSCI	461	Senior Project I	1 cr
CSCI	462	Senior Project II	1 cr
		One mathematics courses level 200 or higher	3 cr
PHYS	131	General Physics I	4 cr
Or PHYS	151	Introduction to Physics	
ENGL	306	Business Writing and Presentation	3 cr

TOTAL COMPUTER SCIENCE MAJOR REQUIREMENTS 55 cr

COMPUTER SCIENCE MINOR Requirements

CSCI	101	Introduction to Computer Science	3 cr
CSCI	121	Programming in Java I	3 cr
CSCI	122	Programming in Java II	3 cr
CSCI	221	Programming in Java III	3 cr
CSCI	222	Programming in Java IV	3 cr
CSCI	235	Digital Circuit Design	4 cr



CSCI 330 Programming in C++ 3 cr

TOTAL COMPUTER SCIENCE MINOR REQUIREMENTS 22 cr

INFORMATION TECHNOLOGY MINOR

Requirements

CSCI 121 Programming in Java I 3 cr

CSCI 122 Programming in Java II 3 cr

CSCI 162 Business Information Systems 3 cr

CSCI 236 Web Development 3 cr

CSCI 243 Database Development I 3 cr

CSCI 343 Server-Side Software Development 3 cr

CSCI 402 Networked Systems Administration 3 cr

TOTAL INFORMATION TECHNOLOGY MINOR REQUIREMENTS 21 cr

EDUCATION

(413) 662-5381, www.mcla.edu/educ

Chairperson: Susan Edgerton

Contact: Susan.Edgerton@mcla.edu

PROGRAMS AVAILABLE

LICENSE PROGRAM IN EARLY CHILDHOOD EDUCATION (PREK-2)

LICENSE PROGRAM IN ELEMENTARY EDUCATION (1-6)

LICENSE PROGRAM IN MIDDLE SCHOOL EDUCATION (5-8)

LICENSE PROGRAM IN SECONDARY EDUCATION (8-12)

BACHELOR OF SCIENCE IN EDUCATION

SPORT COACHING MINOR

The Education Department offers programs leading to licensure of teachers wishing to teach at the early childhood, elementary, middle school and secondary levels. Each program provides a balanced blend of theory and practice so that students will graduate with the knowledge and skills needed to become effective teachers. All license programs require that students complete a major in the liberal arts and sciences appropriate for the license. Students also complete requirements for a major or concentration in education. It is recommended that students meet with an Education Department advisor during their freshman year to discuss their major.

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

- Plan curriculum and instruction;
- Deliver effective instruction;
- Manage classroom climate and operation;
- Promote equity;
- Meet professional responsibilities.

TEACHER LICENSURE 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 licensure must complete a major program in liberal arts or sciences and a state-approved license program in education.

Candidates for teacher licensure must decide which of the levels they wish to pursue. In the case of secondary education (8-12) and middle



school (5-8), students major in the Liberal Arts Curriculum consistent with the content area they wish to teach. Students should consult with the Education Department chairperson for more specific information and advice. Mark Hopkins Hall, telephone: 662-5381.

APPROVED LICENSURE PROGRAMS

Initial Licensure programs are available in the following fields:

- Early Childhood Teacher: Pre-kindergarten - Grade 2
- Elementary Teacher: Grades 1 - 6
- Middle School Humanities: Grades 5 - 8
- Middle School Mathematics/Science: Grades 5 - 8
- Teacher of Biology: Grades 5 - 8 or 8 - 12
- Teacher of Chemistry: Grades 5 - 8, 8 - 12*
- Teacher of English: Grades 5 - 8 or 8 - 12
- Teacher of General Science: Grades 5 - 8
- Teacher of History: Grades 5 - 8 or 8 - 12
- Teacher of Mathematics: Grades 5 - 8 or 8 - 12
- Teacher of Physics: Grades 5 - 8 or 8 - 12
- Teacher of Political Science/Political Philosophy: Grades 5 - 8 or 8 - 12
- Teacher of Student with Moderate Disabilities: Pre - kindergarten - Grade 8 or Grades 5 - 12
- Reading Specialist: All Levels (second or additional license only)

*Pending approval by the Department of Elementary and Secondary Education

All licensure candidates will complete a minimum of 96 hours of work in a classroom appropriate to the license prior to student teaching.

Additional Information:
Nancy Pearlman, Coordinator of Educator Licensure and Placement
413.662.5522

LICENSURE PROGRAM IN EARLY CHILDHOOD EDUCATION (PreK-2)

MCLA requires a major in education for students seeking early childhood license. The early childhood education program prepares teachers of young children prekindergarten through second 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 1-2 in all curriculum areas are presented. The curriculum stresses diverse values and various teaching and learning styles that are an important part of our multi-cultural society.

Students in the early childhood education program are prepared to teach and work in settings such as public schools (Pre K-2), day care centers, nursery schools, and other group settings. With additional experience, early childhood graduates can qualify as lead 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 licensure as teachers of young children with special needs and Lead Teacher, Preschool Department of Early Education and Care (DEEC).

Formal application for admission into the Professional Semester requires an overall 2.8 GPA, with no grade below a C in required licensure courses, an assessment of oral and written communication skills, passing scores on the Massachusetts Tests for Educator Licensure, (See the education department for the required MTELs for each specific licensure area), two recommendations, and a successful interview.



Students must have departmental approval to enroll in more than 12 credits during the professional semester (student teaching). Upon completion of the ECHE program, the student is eligible for initial licensure (PreK-2).

To fulfill the requirements for the early childhood education program, students must complete a major in the liberal arts or sciences and a major in education, which includes the licensure program. Candidates for initial licensure must complete coursework in the following areas:

- Children's Literature
- Early literacy including genres, literary elements, literary techniques, and vocabulary
- Mathematics including principles and concepts related to elementary mathematics
- Physical science*
- Life science*
- History, geography, government and economics;
- Creative arts
- Health or First Aid and CPR
- Physical Education
- Child Development or Developmental Psychology

*At least one science must include a laboratory requirement

Students should meet with an Education Department advisor during their freshman year to learn how these licensure content courses may also fulfill MCLA core curriculum requirements.

Choice of Liberal Arts/Sciences majors to accompany Early Childhood Education:

Biology
 English
 Environmental Studies
 F&P Arts
 History/Political Science
 Interdisciplinary Studies (IDST)
 Mathematics

Philosophy
 Physics
 Sociology

Early Childhood Education License Requirements

CCSS	269	Education & Society	3 cr
PSYC	208	Applied Developmental Psychology	3 cr
Or PSYC 210 Developmental Psychology			
CCCA	207	Children's Literature: A Lively Art	3 cr
PHED	215	Lifetime Wellness	2-3 cr
Or PHED 108 Standard First Aid/CPR And PHED elective			

Phase I A Courses

EDUC	338	Reading and Language Arts	3 cr
EDUC	340	Field Placement I	2 cr
EDUC	478	Teaching in an Inclusive Early Childhood Classroom	3 cr

Phase I B Courses

EDUC	305	Program Dev. 3, 4, 5 Year Olds	3 cr
EDUC	230	Program Dev. Infants & Toddlers	3 cr
Or EDUC 324 Teaching Math/Science K-8			

Phase II Courses

EDUC	341	Field Placement II ECHE/ELEM	2 cr
EDUC	409	Curriculum Theory & Design for Early Childhood	3 cr
EDUC	420	Teaching Strategies ECHE/ELEM	3 cr
EDUC	421	Prepracticum	1 cr

Phase III Courses - Professional Semester Application, interview and passing scores on all parts of the MTEL are required for admission to Phase Three.

EDUC	550	Practicum - Student Teaching (Pre-K)	3 cr
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EDUC	560	Practicum - Student Teaching (1-2)	6 cr
EDUC	561	Student Teaching Seminar	3 cr
Optional Courses Required for DEEC Infant and Toddler Lead Teacher Qualifications:			
EDUC	150	Internship: Infants & Toddlers	
EDUC	230	Program Development for Infant & Toddler	

TOTAL EARLY CHILDHOOD EDUCATION LICENSE REQUIREMENTS **45-49 cr**
(Plus core/licensure content courses)

LICENSURE PROGRAM IN ELEMENTARY EDUCATION (1-6)

MCLA requires a major in Education for students seeking elementary license. The elementary education curriculum prepares students to become educated and competent elementary school teachers. The curriculum emphasizes a well rounded education, early and continuous field experiences, and the study of research and knowledge related to effective teaching and learning.

To fulfill the requirements for the elementary education licensure program, students must complete a major in the liberal arts or sciences and the education major which includes the licensure program. Candidates for initial licensure must complete coursework in the following areas:

- Children’s Literature
- Adult Literature
- Early literacy including genres, literary elements, literary techniques, and vocabulary
- Mathematics including principles and concepts related to elementary mathematics (9 credits)
- Physical science*
- Life science*
- United States history including Massachusetts history, political principles, and ideals

- World history or Western Civilization
- Economic principles and concepts
- Political Science/Government
- Creative Arts
- Health or First Aid and CPR
- Physical Education
- Child Development

* At least one science must include a laboratory requirement.

Students should meet with an education department advisor during their first year to learn how these licensure content courses may also fulfill MCLA core curriculum requirements.

Choice of Liberal Arts/Science Major to accompany Elementary Education:

- Biology
- English
- Environmental Studies
- F&P Arts
- History/Political Science
- Interdisciplinary Studies (IDST)*
- Mathematics
- Philosophy
- Physics

*A student selecting Interdisciplinary Studies may choose either Psychology or Sociology as one of two concentrations within the IDST major.

Formal application for admission into the Professional Semester requires an overall 2.8 GPA, with no grade below a C in required licensure courses, successful completion of Phases I and II, an assessment of oral and written communication skills, passing scores on the Massachusetts Tests for Educator Licensure, (See the education department for the required MTEs for each specific licensure area), two recommendations and a successful interview. Students must have departmental approval to enroll in more than 12 credits during the Professional Semester. Upon completion of the ELEM program, the student is eligible for initial licensure (1-6).

**ELEMENTARY EDUCATION LICENSE****Requirements**

CCSS	269	Education & Society	3 cr
CCCA	207	Children's Literature: A Lively Art	3 cr
EDUC	324	Teaching Math/Science K-8	3 cr
PHED	215	Lifetime Wellness	2-3 cr
Or PHED	108	Standard First Aid/CPR And PHED elective	
PSYC	208	Applied Developmental Psychology	3 cr
Or PSYC	210	Developmental Psychology	
MATH	100	Math for Elementary Educators I	3 cr
MATH	101	Math for Elementary Educators II	3 cr
MATH	200	Math for Elementary Educators III	3 cr

Phase I Courses

EDUC	338	Reading & Language Arts	3 cr
EDUC	340	Field Placement I	2 cr
EDUC	390	Teaching in an inclusive Elementary classroom	3 cr

Phase II Courses

EDUC	341	Field Placement II ECHE/ELEM	2 cr
EDUC	412	Curriculum & Instruction Elementary	3 cr
EDUC	420	Teaching Strategies	3 cr

Phase III Courses - Professional Semester Application, interview and passing scores on all parts of the MTEL required for admission to Phase Three.

EDUC	570	Practicum - Student Teaching Elementary	9 cr
EDUC	571	Student Teaching Seminar	3 cr

TOTAL ELEMENTARY EDUCATION LICENSE REQUIREMENTS 51-52 cr
(Plus core/licensure content courses)

LICENSURE PROGRAM IN MIDDLE SCHOOL EDUCATION (5-8)

MCLA requires a concentration or major in education for students seeking middle school license. The middle school education curriculum prepares students to become educated and competent middle school teachers. The curriculum emphasizes a well rounded education, early and continuous field experiences, and the study of research and knowledge related to effective teaching and learning.

To fulfill the requirements for the middle school education licensure program, students must complete a major in the liberal arts or sciences and a concentration or major in education. In addition, students must also complete a three-credit psychology course, applied developmental psychology. A total of 43 credits are required for the major and licensure program. Students should meet with an education department advisor during their first year. For more information contact the education department.

Choice of Liberal Arts/Sciences majors to accompany Middle School Education:

Biology
English
History/Political Science
Interdisciplinary Studies (IDST)**
Mathematics
Physics

** A student selecting IDST will combine English and History for the Humanities License or Mathematics and a science for the Math/Science License.

Formal application for admission into Professional Semester requires an overall 2.8 GPA with no grade below a C in required licensure courses, an assessment of oral and written communication skills, passing scores on the Massachusetts Tests for Educator Licensure, (See the education department for the required MTEs for each specific licensure area), two



recommendations and a successful interview. Students must have departmental approval to enroll in more than 12 credits during the Professional Semester (student teaching). Upon completion of the MDSE program the student is eligible for initial licensure (5-8).

MIDDLE SCHOOL EDUCATION LICENSE

Requirements

- CCSS 269 Education & Society
- PSYC 208 Applied Developmental Psychology 3 cr
- Or PSYC 210 Developmental Psychology
- Or PSYC 386 Adolescent Development

Phase I Courses

- EDUC 336 Reading in the Content Area 3 cr
- EDUC 340 Field Placement I 2 cr
- EDUC 397 Teaching in an Inclusive Middle/Secondary Classroom 3 cr

Phase II Courses

- EDUC 342 Field Placement II MDSE/SECE 2 cr
- EDUC 414 Curriculum & Instruction Middle School 3 cr
- EDUC 422 Teaching Strategies for Diverse Classrooms 3 cr

Phase III - Professional Semester

Application, interview and passing scores on all parts of the MTEL required for admission to Phase Three.

- EDUC 580 Practicum - Student Teaching 9 cr
- EDUC 581 Student Teaching Seminar 3 cr

Optional Second Major in Education

Requires:

- Three Additional Education Electives 9 cr

TOTAL MIDDLE SCHOOL EDUCATION LICENSE REQUIREMENTS 34 cr
WITH SECOND MAJOR 43 cr

LICENSURE PROGRAM IN SECONDARY EDUCATION (8-12)

MCLA requires a concentration or major in Education for students seeking secondary license. The secondary education curriculum prepares students to become educated and competent secondary school teachers. The curriculum emphasizes a well rounded education, early and continuous field experiences, and the study of research and knowledge related to effective teaching and learning.

To fulfill the requirements for the secondary education licensure program, students must complete a major in the liberal arts or sciences and a concentration or major in Education. In addition, students must also complete a three-credit psychology course, applied developmental psychology. A total of 43 credits are required for the major and licensure program. Students should meet with an education department advisor during their first year. For more information contact the education department.

Formal application for admission into the Professional Semester requires an overall 2.8 GPA with no grade below a C in required licensure courses, passing scores on the Massachusetts Tests for Educator Licensure, (See the education department for the required MTELs for each specific licensure area), two recommendations and a successful interview. Students must have departmental approval to enroll in more than 12 credits during the Professional Semester (student teaching). Upon completion of the SECE program the student is eligible for initial licensure (8-12).

SECONDARY EDUCATION LICENSE

Requirements

- CCSS 269 Education & Society
- PSYC 208 Applied Developmental Psychology 3 cr
- Or PSYC 210 Developmental Psychology
- Or PSYC 386 Adolescent Development



Phase I Courses

EDUC	336	Reading in the Content Area	3 cr
EDUC	340	Field Placement I	2 cr
EDUC	397	Teaching in an Inclusive Middle/Secondary Classroom	3 cr

Phase II Courses

EDUC	342	Field Placement II MDSE/SECE	2 cr
EDUC	416	Curriculum & Instruction Secondary	3 cr
EDUC	422	Teaching Strategies for Diverse Classrooms	3 cr

Phase III - Professional Semester

Application, interview and passing scores on all parts of the MTEL are required for admission to Phase Three

EDUC	590	Practicum - Student Teaching	9 cr
EDUC	591	Student Teaching Seminar	3 cr

Optional Second Major in Education Requires:

Three Additional Education Electives	9 cr
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TOTAL SECONDARY EDUCATION LICENSE REQUIREMENTS	34 cr
WITH SECOND MAJOR	43 cr

TEACHER LICENSURE BY THE COMMONWEALTH OF MASSACHUSETTS

To comply with federal regulations, Massachusetts requires that individuals who want to obtain teacher licensure in the state must pass the Massachusetts Tests for Educator Licensure.

Massachusetts Department of Elementary and Secondary Education regulations require preparation program curricula to include upper and lower level arts and sciences coursework, including: composition, American and world

literature, U.S. and world history, economics, geography, child development, science laboratory work, and mathematics and science coursework appropriate for the elementary school teacher. These subjects are included on the Massachusetts Test for Educator Licensure and follow the Massachusetts Curriculum Frameworks. Specializations within the interdisciplinary studies major fulfill the above mentioned requirements. Students may also choose from among the traditional liberal arts and sciences majors to fulfill the requirements. Students already possessing a bachelor's degree also may be admitted to a licensure program. Interested students should meet with the license officer at their earliest convenience to find out the specific requirements for the license level they seek.

Initial licensure is granted by the Commonwealth of Massachusetts to individuals who have completed approved programs of study and received passing scores on the Massachusetts Tests for Educator Licensure. MCLA, through the education department, offers at the undergraduate level programs that license regular classroom teachers in Early Childhood (Pre K-2), Elementary (1-6), Middle School (5-8), and Secondary School (8-12).

MCLA pass rates on the Massachusetts Tests for Educator Licensure during the 2010-2011 year:

- Basic Skills -100 percent
- Academic Content Area - 100 percent
- Total Pass Rate - 100 percent.

Upon seeking a teaching position in the public schools, students should be aware that most school districts may require a CORI (Criminal Offender Record Information) or SORI (Sexual Offender Record Information) check as well as evidence of inoculations and fingerprinting.



SPORT COACHING MINOR

Requirements

EDUC	375	Coaching Principles	3 cr
EDUC	376	Practicum in Sport Coaching	3 cr
PHED	108	Community First Aid & Safety	1 cr
PHED	215	Lifetime Wellness	3 cr
PHED	375	Scientific Foundations of Coaching	3 cr
Choose two of the following:			6 cr
BIOL	316	Functional Human Anatomy	
BIOL	440	Physiological Aspects of Exercise	
PHED	395	Special Topics (subtitle appropriate to sport coaching)	
PSYC	376	Sport Psychology	
SOCI	316	Sociology of Sport	

TOTAL SPORT COACHING MINOR REQUIREMENTS 19 cr

**ENGLISH/
COMMUNICATIONS**

(413) 662-5371, www.mcla.edu/engl
Chairperson: M. Miller@mcla.edu

PROGRAMS AVAILABLE
BACHELOR OF ARTS IN ENGLISH
BROADCAST MEDIA
CONCENTRATION
ENGLISH MINOR
FILM STUDIES CONCENTRATION
JOURNALISM CONCENTRATION
LITERATURE CONCENTRATION
LITERATURE MINOR
PUBLIC RELATIONS
And
CORPORATE COMMUNICATIONS
CONCENTRATION
WRITING CONCENTRATION
TEACHER LICENSURE

ENGLISH MAJOR PROGRAM

Sonnets to podcasts, broadsides to blogs, the realm of human discourse is vast, varied, and ever-changing. In the English/Communications Department at MCLA, we educate our students to become effective, adaptable critics and creators of a variety of discourse-individuals whose dynamic understanding of the literary and media arts contributes both to their own well-being and the well-being of others. To this end, the Department offers a four-year program leading to a Bachelor of Arts in English. The Foundation of the program gives a students a broad background in literature, language, and media. Beyond the Foundation, students take additional courses in one of the following Concentrations: Broadcast Media, Film Studies, Journalism, Literature, Public Relations and Corporate Communication, or writing. Students graduating with a degree in English will be able to:

- Establish, clarify, and elaborate a distinct and articulate proposition, issue or idea in both written and spoken communication;
- Use a credible rhetorical stance, consistent tone and coherent argument in an effort to persuade various audiences of certain ideas and beliefs;
- Distinguish between facts, inferences and opinions;
- Understand, evaluate, and explain the pattern of argument, mode of development, and organization of assumptions in a wide variety of written and spoken discourse;
- Shape various kinds of texts for various audiences;
- Explain the meaning, intention and purposes of a wide range of texts;
- Articulate patterns and purposes within various texts by the same author;
- Describe in a sympathetic and complex scenario how texts develop against the background of societies and cultures, as well as direct, define and determine credible models for cultural authority;



- Describe how the meanings of texts have been shaped by different reading strategies;
- Synthesize the principle themes, issues and competencies of the major.

Foundation Courses

ENGL 211 Introduction to Mass Media	3 cr
ENGL 250 Introduction to Literature	3 cr
One of the following language studies courses:	
ENGL 231 The Power of Words	3 cr
Or ENGL 331 The Story of English	
Or ENGL 481 From Semiotics to Significations	
Or one intermediate or above foreign language course	
ENGL 365-80 Texts in Context (Select one)	3 cr
ENGL 381-94 Diverse Voices in American Culture (select one)	3 cr
Any advanced writing course at 200 level or above	
ENGL 451 British Literary Survey	
Or ENGL 461 American Literary Survey	
Or ENGL 471 World Literary Survey	3 cr
ENGL 490 Senior Seminar	3 cr

TOTAL FOUNDATION COURSES 24 cr

CONCENTRATION IN LITERATURE**Requirements**

Foundation Courses	24 cr
Department Electives	6 cr
ENGL 349 Critical Reading	3 cr
ENGL 351 Shakespeare	3 cr
Two literature survey courses (In addition to one in foundation courses)	6 cr
ENGL 451 British Literary Survey	
ENGL 461 American Literary Survey	
ENGL 471 World Literary Survey	
Two literature electives, 300-level or above	6 cr

Choose electives from the following list:

ENGL 340 Literature & Society
ENGL 353 Melville & Hawthorne

ENGL 356 James Joyce
ENGL 357 Virginia Woolf
ENGL 359 Toni Morrison
ENGL 360 Whitman, Williams & Roethke
ENGL 361 John Steinbeck
ENGL 362 Marianne Moore & Elizabeth Bishop
ENGL 365 Reading the Graphic Novel
ENGL 366 The Age of Chaucer
ENGL 368 The Age of Milton
ENGL 370 The Romantic Movement
ENGL 371 The American Renaissance
ENGL 372 Arts of Medieval & Renaissance Britain
ENGL 374 Literature & the Environment
ENGL 375 Civil War in Literature & Film
ENGL 377 Novel in Context
ENGL 378 Sports Literature
ENGL 379 Science, Literature & Gender
ENGL 381 African American Literature
ENGL 384 Native American Literature
ENGL 385 Irish American Literature
ENGL 386 Jewish American Literature
ENGL 387 Latino/a American Literature
ENGL 389 Contemporary American Literature:
ENGL 390 Asian American Literature
ENGL 391 Italian American Literature
ENGL 441 Special Topics in Literature
ENGL 493 Teaching Assistant English/Communications
ENGL 500 Independent Study

TOTAL LITERATURE CONCENTRATION REQUIREMENTS 48 cr

CONCENTRATION IN WRITING**Requirements**

Foundation Courses	24 cr
Department Electives	6 cr
Six writing electives 200-level and above 18 cr (In either the Creative Writing or Professional Writing Sequence)	



Creative Writing Sequence

Three electives at the 200-level or above
 Three electives at the 300 level or above
 ENGL 202 The Personal Essay
 ENGL 208 Experiments in Creative Writing
 ENGL 231 The Power of Words
 ENGL 300 Creative Writing: Fiction
 ENGL 301 Creative Writing: Poetry
 ENGL 302 Creative Writing: Scripts
 ENGL 303 Writing Prose
 ENGL 304 Creative Writing: Playwriting
 ENGL 305 Magazine Writing and Editing
 ENGL 430 Advanced Poetry Workshop
 ENGL 435 Advanced Fiction Workshop
 ENGL 500 Independent Study

Professional Writing Sequence

Three electives at the 200-level or above
 Three electives at the 300-level or above
 ENGL 202 The Personal Essay
 ENGL 239 Writing and Reporting the News I
 ENGL 302 Creative Writing: Scripts
 ENGL 305 Magazine Writing & Editing
 ENGL 306 Business Writing & Presentation
 ENGL 308 Writing Associate Workshop
 ENGL 309 Technical Writing
 ENGL 321 News Editing Practicum
 ENGL 339 Writing and Reporting the News II
 ENGL 396 Public Relations
 ENGL 427 Senior News Editing Practicum
 ENGL 500 Independent Study
 ENGL 540 Internship

TOTAL WRITING CONCENTRATION REQUIREMENTS 48 cr

CONCENTRATION IN JOURNALISM

Requirements

Foundation Courses 24 cr
 Department Electives 6 cr

ENGL 239 Writing & Reporting the News I 3 cr
 ENGL 305 Magazine Writing & Editing 3 cr
 Or ENGL 328 Issues in Journalism
 ENGL 321 News Editing Practicum (Required) 1-6 cr
 ENGL 339 Writing & Reporting the 3 cr

Two communications electives at the 200-level or above 6 cr

Choose electives from the following list:

ENGL 205 Introduction to Black & White Photography
 ENGL 221 Literary Journalism
 ENGL 323 Publication Design & Typography
 ENGL 337 Advanced Photography
 ENGL 338 Photo-Journalism
 ENGL 427 Senior News Editing Practicum
 ENGL 481 Special Topic in Mass Communication (By subject; this course may be repeated)
 ENGL 500 Directed Independent Study
 ENGL 540 Internship

TOTAL JOURNALISM CONCENTRATION REQUIREMENTS 46-51 cr

CONCENTRATION IN BROADCAST MEDIA

Requirements

Foundation Courses 24 cr
 Department Electives 6 cr
 ENGL 212 Radio Production 3 cr
 ENGL 214 Basic TV Production & Broadcasting 3 cr
 ENGL 314 Adv TV Production & Broadcasting 3 cr
 Or ENGL 324 Broadcast Journalism
 ENGL 481 Special Topics in Communications: (Making Meaning: Theory & Practice in Media Production) 3 cr



Two electives at the 200-level or above 6 cr
 Choose electives from the following list:
 ENGL 302 Creative Writing: Scripts
 ENGL 316 Broadcast Delivery
 ENGL 319 Global Issues in
 Communication
 ENGL 481 Special Topics in
 Communication
 (By subject; this course may be
 repeated)
 ENGL 500 Directed Independent Study
 ENGL 540 Internship

**TOTAL BROADCAST MEDIA
 CONCENTRATION
 REQUIREMENTS 48 cr**

**CONCENTRATION IN PUBLIC
 RELATIONS & CORPORATE
 COMMUNICATIONS**

Requirements
 Foundation Courses 24 cr
 Department Electives 6 cr
 ENGL 239 Writing and Reporting the News I
 3 cr
 ENGL 306 Business Writing and Presentation
 3 cr
 ENGL 481 Special Topics in Mass
 Communication: 3 cr
 PR and Crisis Management
 Or ENGL 323 Publication Design &
 Typography
 ENGL 396 Public Relations 3 cr

Two communications electives at the 200-level
 or above 6 cr

Choose electives from the following list:
 ENGL 212 Radio Production
 ENGL 214 Basic TV Production and
 Broadcasting
 ENGL 318 The Popular Art as Business
 ENGL 321 News Editing Practicum
 ENGL 500 Directed Independent Study

ENGL 540 Internship
 BADM 270 Marketing
 BADM 384 Marketing Communications

**TOTAL PUBLIC RELATIONS
 CONCENTRATION
 REQUIREMENTS 48 cr**

**CONCENTRATION IN FILM
 STUDIES**

Requirements
 Foundation Courses 24 cr
 Department Electives 6 cr
 ENGL 210 Essentials of Film 3 cr
 ENGL 315 Constructing the Short Film 3 cr
 ENGL 397 Special Topics in Film 3 cr
 ENGL 412 Filmmakers & Filmmaking 3 cr

Two electives at the 200-level or above 6 cr
 Choose electives from the following list:
 ENGL 375 The Civil War in Literature
 & Film
 ENGL 397 Special Topics in Film
 (By subject; this course may be
 repeated)
 ENGL 412 Filmmakers & Filmmaking
 (By subject; this course may be
 repeated)
 ENGL 481 From Semiotics to Significa-
 tions
 (If not used as Foundations
 course)
 ENGL 500 Directed Independent Study
 ENGL 540 Internship

**TOTAL FILM STUDIES
 CONCENTRATION
 REQUIREMENTS 48 cr**

DEPARTMENTAL ELECTIVES

Requirement
 The six hours of English electives that com-
 plete the major's requirements provide flexibil-



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

ENGLISH MINOR PROGRAM

Requirements

- ENGL 211 Introduction to Mass Media 3 cr
- ENGL 250 Introduction to Literature 3 cr
- Any advanced writing course 3 cr
- Any four-courses from a concentration other than literature 12 cr

TOTAL ENGLISH MINOR REQUIREMENTS 21 cr

LITERATURE MINOR PROGRAM

Requirements

- ENGL 250 Introduction to Literature 3 cr
- ENGL 349 Critical Reading 3 cr
- One of the following Language Studies courses:
 - ENGL 231 The Power of Words 3 cr
 - Or ENGL 331 The Story of English
 - Or ENGL 481 From Semiotics to Significations
- Or one intermediate or above foreign language course
- ENGL 365-80 Texts in Context (Select One) 3 cr
- ENGL 381-94 Diverse Voices in American Culture (Select One) 3 cr

Any advanced writing course 3 cr

TOTAL LITERATURE MINOR REQUIREMENTS 18 cr

ARTS MANAGEMENT PROGRAM

The Department of English/Communications offers courses as part of a new arts management degree program within the Department of Fine and Performing Arts. The arts management program is an integrative program including coursework from the departments of Business Administration, English/Communications, and Fine and Performing Arts. Please refer to the arts management section of this catalog for more information.

TEACHING LICENSURE

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

ENVIRONMENTAL STUDIES

(413) 662-5345, www.mcla.edu/envi
Chairperson: Elena.Traisters@mcla.edu

**PROGRAMS AVAILABLE
BACHELOR OF ARTS IN
ENVIRONMENTAL STUDIES
ENVIRONMENTAL STUDIES MINOR
GEOGRAPHY MINOR**



ENVIRONMENTAL STUDIES
MAJOR PROGRAM

The environmental studies major at MCLA is a multidisciplinary program. Environmental studies majors study human activities and their effects on natural systems through coursework, fieldwork, research and internships. The complexity and interdisciplinary nature of

ENVIRONMENTAL STUDIES
MAJOR PROGRAM

The environmental studies major at MCLA is a multidisciplinary program. Environmental studies majors study human activities and their effects on natural systems through coursework, fieldwork, research and internships. The complexity and interdisciplinary nature of environmental problems requires that students be provided with a solid foundation in the natural sciences, as well as the social sciences. Environmental Studies students therefore take courses in departments and disciplines including Biology, Chemistry, Geology, Economics, and Sociology. Partnerships with local environmental organizations and agencies provide students with opportunities to gain experience investigating and developing solutions to environmental problems of regional significance. Students graduating with a degree in Environmental Studies will be able to:

- Use classical skills such as critical thinking, research, speaking and writing as they apply to contemporary environmental issues;
- Use particular technologies necessary for modern professionals in the sciences, social sciences and humanities;
- Quickly assess environmental problems and work effectively in a team to suggest realistic solutions;
- Enter either the professional world or graduate school with broad understanding, specific skills and significant experience in environmental studies.

Foundation Courses

BIOL	150	Introduction to Biology	4 cr
CHEM	150	Introduction to Chemistry I	4 cr
CHEM	152	Introduction to Chemistry II	4 cr
ENVI	150-H	Honors Environmental Systems: Science & Management	4 cr
ENVI	152-H	Honors Environmental Resources: Science & Management	4 cr
ENVI	260	Green Living Seminar	1 cr
ENVI	315	Environmental Economics	3 cr
ENVI	325	Geographic Information Systems	3 cr
ENVI	340	Environmental Law	3 cr
ENVI	310	Politics & Environmental Policy	3 cr
ENVI	320	Methods in Environmental Research	4 cr
ENVI	401	Independent Research	3 cr
Or ENVI	540	Internship	
GEOG	151	Introduction to Physical Geography	4 cr
Or GEOG	152	Introduction to Physical Geology	
Or GEOG	245	National Hazards	

TOTAL FOUNDATION COURSES 44 cr

Choose two courses from each of the following categories:

Biology 6-8 cr

BIOL	235	Botany
BIOL	245	Zoology
BIOL	320	Microbiology
BIOL	324	Marine Biology
BIOL	341	Conservation Biology
BIOL	345	Vertebrate Natural History
BIOL/ENVI	351	Ornithology
BIOL	371	Forest Environment
BIOL	460	Ecology

Physical Science 6-8 cr

CCST	230	Energy & the Environment
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GEOG 245 Natural Hazards
 GEOG 270 Weather & Climate
 GEOG 300 Topics in Physical Geography
 GEOG 370 River Systems
 ENVI 425 Advanced Geographic Info Systems

Society 6 cr
 BIOL 327 Plants & Society
 ENGL 371 The American Renaissance
 ENGL 374 Literature & the Environment
 IDST 224 The Nuclear Age
 PHIL 250 Environmental Ethics
 SOCI 322 Population
 HONR 301 Ethics and Animals
 POSC 201 US Govt. & Public Policy
 POSC 202 Comparative Govt & Public Policy
 CCCA 202 The Good Earth: The Theme of Agrarianism
 CCSS 210 Landscapes of Human

TOTAL ENVIRONMENTAL STUDIES MAJOR REQUIREMENTS 62-66 cr

ENVIRONMENT STUDIES MINOR PROGRAM

Requirements

ENVI 150-H Honors Environmental Systems: Science & Management 4 cr
 ENVI 152-H Honors Environmental Resources: Science & Management 4 cr
 BIOL 150 Introduction to Biology 4 cr
 Or CHEM 150 Introduction to Chemistry I
 Or GEOG 151 Introduction to Physical Geography
 Or GEOG 152 Introduction to Physical Geology
 Or GEOG 245 Natural Hazards
 ENVI 260 Green Living Seminar 1 cr
 ENVI 340 Environmental Law 3 cr
 Or ENVI 310 Politics & Environmental Policy

ENVI 320 Methods in Environmental Research 4 cr

Choose one course from either of the following categories: 3-4 cr

Biology

BIOL 235 Botany
 BIOL 245 Zoology
 BIOL 255 Biodiversity
 BIOL 320 Microbiology
 BIOL 324 Marine Biology
 BIOL 341 Conservation Biology
 BIOL 345 Vertebrate Natural History
 BIOL/ENVI 351 Ornithology
 BIOL 371 Forest Environment
 BIOL 460 Ecology

Physical Science

CCST 230 Energy & the Environment
 ENVI 325 Geographic Information Systems
 GEOG 245 Natural Hazards
 GEOG 270 Weather & Climate
 GEOG 300 Topics in Physical Geography
 GEOG 370 River Systems

Society

BIOL 327 Plants & Society
 ENGL 371 The American Renaissance
 ENGL 374 Literature & the Environment
 ENVI 315 Environmental Economics
 IDST 224 The Nuclear Age
 PHIL 250 Environmental Ethics
 SOCI 322 Population

TOTAL ENVIRONMENTAL STUDIES MINOR PROGRAM REQUIREMENTS 23-24 cr

GEOGRAPHY MINOR PROGRAM

The geography minor complements any major and develops skills useful for careers in business, communication, education, law, tourism, public administration and environmental science. Beyond the two required courses, stu-



dents should consult with a geography faculty member for the 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.

GEOGRAPHY MINOR

Requirements

GEOG 120	World Regional Geography	3 cr
GEOG 151	Introduction to Physical Geography	4 cr
	Four additional geography courses approved by the department	12 cr

TOTAL GEOGRAPHY MINOR REQUIREMENTS 19 cr

TEACHING LICENSURE

Students majoring in environmental studies may opt to pursue initial teacher licensure as an early childhood teacher or elementary teacher. Students seeking any of these licenses must complete an environmental studies major, education major and a licensure program in education.

FINE & PERFORMING ARTS

(413) 662-5255, www.mcla.edu/fpa
 Chairperson: Christine Condaris, FPA
 Email: FPA@mcla.edu,

PROGRAMS AVAILABLE

BACHELOR OF ARTS IN FINE AND PERFORMING ARTS

BACHELOR OF ARTS IN ARTS MANAGEMENT

BACHELOR OF ARTS IN ART CONCENTRATION IN ART

CONCENTRATION IN ARTS MANAGEMENT

CONCENTRATION IN MUSIC
CONCENTRATION IN THEATRE
ART MINOR
ART HISTORY MINOR
ARTS MANAGEMENT MINOR
MUSIC MINOR
THEATRE MINOR
TEACHING LICENSURE

FINE AND PERFORMING ARTS

MAJOR PROGRAM

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

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

Foundation Courses*

AMGT 130	Introduction to Arts Management	3 cr
ART 116	Introduction to Drawing	3 cr
ART 117	Great Monuments of Art I	3 cr
MUSI 251	Introduction to Music	3 cr
	Or MUSI 159 Fundamentals of Music	
	Or MUSI 253 World Music	
MUSI 252	Piano I	3 cr
	Or MUSI 258 Private Lessons**	
	Or MUSI 358 Private Lessons	
	Or MUSI 458 Private Lessons	
THEA 238	Experiencing Performance	3 cr
	Or THEA 272 Exploring Production	



THEA	271	Discovering Plays	3 cr
FPA	501	Senior Project	3 cr

TOTAL FOUNDATION COURSES 24 cr

* Music and theatre concentration students shall take specific foundation courses.

** Each course is one credit; total three credits required.

CONCENTRATION IN ART**Requirements**

FPA	Foundation Courses	24 cr
ART	212 Introduction to Painting	3 cr
ART	311 Topics in Art	3 cr
ART	312 Form & Composition	3 cr
ART	315 Intermediate Art Lab	3 cr
ART	321 Intermediate Seminar in Art History	3 cr
ART	412 Advanced Art Lab	3 cr
ART	413 Advanced Seminar in Art History	3 cr

TOTAL ART CONCENTRATION REQUIRED 45 cr**CONCENTRATION IN ARTS MANAGEMENT****Requirements**

FPA	Foundation Courses	24 cr
AMGT	235 Business Organization in Arts Mngmt	3 cr
AMGT	330 Grants/Fund Raising	3 cr
AMGT	335 Museum Studies	3 cr
AMGT	340 Performing Arts Management	3 cr
AMGT	430 Topics in Arts Management	3 cr
FPA	540 Internship in Fine & Performing Arts	3 cr

TOTAL ARTS MANAGEMENT CONCENTRATION REQUIREMENTS 42 cr**CONCENTRATION IN MUSIC****Requirements**

FPA	Foundation Courses	24 cr
MUSI	205 Aural Skills I	3 cr
MUSI	259 Music Theory I	3 cr
MUSI	275 Performance Workshop	3 cr

Choose from the following: (Total: 3 credits)

MUSI	258 Private lessons (Each Private Lesson = 1 credit)	
And/or	MUSI 358 Private Lessons	
And/or	MUSI 458 Private Lessons	
MUSI	305 Aural Skills II	3 cr
MUSI	351 Topics in Music History	3 cr
MUSI	359 Music Theory II	3 cr
Any	400-level music course	3 cr

TOTAL MUSIC CONCENTRATION REQUIRED 48 cr**CONCENTRATION IN THEATRE****Requirements**

FPA	Foundation Courses	24 cr
THEA	272 Exploring Production	3 cr
THEA	320 Costume Construction & Crafts	3 cr
Or	THEA 321 Scenery Construction & Painting	
THEA	372 Theatre Practicum	3 cr
THEA	374 The Art of Acting	3 cr
THEA	381 Theatre History I	3 cr
THEA	383 Theatre History II	3 cr
THEA	470 Directing	3 cr

TOTAL THEATRE CONCENTRATION REQUIREMENTS 45 cr**ARTS MANAGEMENT MAJOR PROGRAM**

The Department of Fine and Performing Arts also offers a four-year program leading to a



Bachelor of Arts in Arts Management. This unique program is a total immersion in the business of the arts. The major features art, music and theatre, combined with business administration and public relations, to create expertise in Grants and Fund Raising, Museum Studies, Performing Arts Management and other non-profit endeavors in the arts. The program's internship and future employment opportunities are enhanced through MCLA partners in the Berkshire art community such as the Massachusetts Museum of Contemporary Art (MASS MoCA) and the Sterling and Francine Clark Art Institute, where MCLA students and graduates actively participate in many aspects of art administration. This hands-on connection to the creative economy - the interaction of arts, educational and business enterprises - serves as a culminating experience to the Arts Management curriculum and facilitates entry into an expanding job market in arts related enterprises. For information about this program please refer to the Arts Management section of this catalog.

ART MAJOR PROGRAM

The Department of Fine and Performing Arts offers a four-year program leading to a Bachelor of Arts in Art. The art major features hands-on courses in the creation and techniques of art, as well as courses in visual culture and media. Classes include both traditional and nontraditional, experimental approaches to media such as drawing, painting, graphic design, photography, film-making, broadcast, communications, computer graphics and costume design. After completing a series of foundation courses, advanced students design an individualized focus area based on their career goals, culminating in a final senior art project. Opportunities may include internships with area arts organizations such as the Massachusetts Museum of Contemporary Art, the Sterling and Francine Clark Art Institute, and MCLA Gallery 51. For information about this program please refer to the art section of this catalog.

ART MINOR PROGRAM

Requirements

ART 116 Introduction to Drawing 3 cr

ART 117 Great Monuments of Art I 3 cr

Select 6 credits of 100 or 200 level studio art courses*

Select 9 credits of 300 or 400 level studio art courses*

*Students can select from the following electives:

Any course with an ART prefix
(Excluding ART 217, ART 221, ART 311, ART 321, ART 413, ART 510)

CSCI 150 Computers & Visual Design

CSCI 208 Graphics I

CSCI 288 Web Page Design

CSCI 308 Graphics II

CSCI 408 Graphics III

ENGL 205 Introduction to Black & White
Photography

ENGL 337 Advanced Photography

TOTAL ART MINOR

REQUIREMENTS 21 cr

ART HISTORY MINOR PROGRAM

Requirements

ART 117 Great Monuments of Art I 3 cr

ART 217 Great Monuments of Art II 3 cr

ART 221 Intro Seminar Art History 3 cr

ART 311 Topics in Art 3 cr

Or AMGT 335 Museum Studies

ART 311 Topics in Art
(Different Topic) 3 cr

Or AMGT 435 Advanced Museum Studies*

ART 321 Intermediate Seminar Art
History 3 cr

ART 413 Advanced Seminar Art
History 3 cr

*Prerequisite: AMGT 335

TOTAL ART HISTORY MINOR

REQUIREMENTS 21 cr

**ARTS MANAGEMENT MINOR PROGRAM****Requirements**

AMGT	130	Introduction to Arts Management	3 cr
AMGT	235	Business Organization in Arts Management	3 cr
AMGT	330	Grants/Fund Raising	3 cr
AMGT	335	Museum Studies	3 cr
AMGT	340	Performing Arts Management	3 cr
AMGT	430	Topics in Arts Management	3 cr
Or AMGT 435 Advanced Museum Studies			

TOTAL ARTS MANAGEMENT MINOR REQUIREMENTS 18 cr

MUSIC MINOR PROGRAM**Requirements**

MUSI	251	Introduction to Music	3 cr
MUSI	252	Piano I	3 cr

Or choose from the following for a total of 3 cr:

MUSI	258	Private Lessons (Each lesson: 1 credit)	
MUSI	358	Private Lessons	
MUSI	458	Private Lessons	
MUSI	205	Aural Skills	3 cr
MUSI	259	Music Theory	3 cr
MUSI	351	Topics in Music History	3 cr

Three credits in performance ensembles:
Choose From 3 cr

MUSI	350	Instrumental Ensembles	
MUSI	357	Vocal Ensembles	

TOTAL MUSIC MINOR REQUIREMENTS 18 cr

THEATRE MINOR PROGRAM**Requirements**

THEA	238	Experiencing Performance	3 cr
THEA	271	Discovering Plays	3 cr
THEA	272	Exploring Production	3 cr
THEA	374	The Art of Acting	3 cr
THEA	372	Theatre Practicum	3 cr
Or THEA 379 Topics in Theatre Production			
Or THEA 479 Topics in Theatre Performance			
THEA	381	Theatre History I	3 cr
THEA	383	Theatre History II	3 cr

TOTAL THEATRE MINOR REQUIREMENTS 21 cr

DEPARTMENT POLICY REGARDING DOUBLE MAJORS/CONCENTRATIONS/MINOR PROGRAMS

Due to redundancies in program requirements, the Department of Fine and Performing Arts prohibits combination of the following programs:

Art Major & FPA Major/Art Concentration
Or Art Minor

Arts Management & FPA Major/Arts Management Concentration or Arts Management Minor

TEACHING LICENSURE

Students majoring in fine and performing arts may opt to pursue initial teacher licensure as an early childhood teacher or elementary teacher. Students seeking any of these licenses must complete a fine and performing arts major, education major and a licensure program in education.



HISTORY, POLITICAL SCIENCE AND PUBLIC POLICY

(413) 662-5426, www.mcla.edu/hist
Chairperson: Kailai.Huang@mcla.edu

PROGRAMS AVAILABLE

BACHELOR OF ARTS IN HISTORY
CANADIAN STUDIES MINOR
HISTORY MINOR
PUBLIC AND LOCAL HISTORY MINOR
TEACHING LICENSURE

HISTORY MAJOR PROGRAM

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

- Demonstrate a comprehensive understanding of subject matter, methodologies and a variety of historiographical approaches;
- Demonstrate the ability to think clearly and critically about history and historical narratives, and to express ideas logically and persuasively in written and oral form;
- Demonstrate familiarity with diverse cultures and chronological periods and capacity for both empathetic and critical understanding of one's own culture and society as well as those different from one's own;

- Demonstrate competence in historical research and presentation, including the ability to appropriately access, use and evaluate primary and secondary sources in order to make a coherent historical argument.

HISTORY MAJOR

Requirements

1st Year Courses

HIST	103	Pre-Modern World Civilization	3 cr
HIST	104	Modern World Civilization	3 cr
HIST	203	American History I	3 cr
HIST	204	American History II	3 cr

2nd Year Courses

HIST	200	Research & Bibliography	3 cr
HIST	205	Historiography	3 cr
POSC	201	US Government & Public Policy	3 cr
POSC	202	Comparative Gov't & Public Policy	3 cr

3rd Year Courses

HIST	305	Topics in European History	3 cr
HIST	310	Topics in Asian History	3 cr
HIST	330	Topics in Latin American History	3 cr
HIST	340	Topics in the Middle East & Muslim World	3 cr
Or HIST	350	Topics in African History	

4th Year Courses

Two 400-level senior seminars chosen from either/or		6 cr
HIST	401	Seminar in Historical Periods
HIST	403	Seminar in Issues in History
One of the following:		3 cr
One additional 400-level seminar		
Or HIST	405	Senior Thesis
Or HIST	510	Teaching Assistantship in History
Or HIST	540	Internship in History

TOTAL HISTORY MAJOR REQUIREMENTS

45 cr



CANADIAN STUDIES MINOR PROGRAM

The 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.

CANADIAN STUDIES MINOR Requirements

POSC	202	US Government & Public Policy	3 cr
GEOG	325	Canada: The Land & The People	3 cr
HIST	331	History of Canada	3 cr
POSC	325	Canadian Politics	3 cr
		One integrative junior/senior seminar	3 cr

One upper level POSC/HIST course 3 cr
 Independent study and/or appropriate travel courses in various disciplines

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

TOTAL CANADIAN STUDIES MINOR REQUIREMENTS 18 cr

HISTORY MINOR PROGRAM

The history minor offers students the opportunity to study in moderate depth and breadth history as it reflects the development of political, economic, cultural and social institutions. There are two tracks within the minor, an American studies track and a world history track.

American Studies Track

HIST	203	American History I	3 cr
HIST	204	American History II	3 cr
		Four electives approved by the Department	12 cr

TOTAL AMERICAN STUDIES MINOR REQUIREMENTS 18 cr

World History Track

HIST	103	Pre-Modern World Civilization	3 cr
HIST	104	Modern World Civilization	3 cr
		Four electives approved by the department	12 cr

TOTAL WORLD HISTORY MINOR REQUIREMENTS 18 cr

PUBLIC AND LOCAL HISTORY MINOR PROGRAM

The 18-credit public and local history minor offers students the opportunity to study history first hand from in-depth sources from local history societies, archives, and state repositories.

PUBLIC AND LOCAL HISTORY MINOR Requirements

HIST	200	Research & Bibliography	3 cr
HIST	206	Local History Methods	3 cr
		Four electives approved by the department	12 cr

TOTAL PUBLIC AND LOCAL HISTORY MINOR REQUIREMENTS 18 cr

Students may choose to shape their minor so as to focus on either local or state resources. With the consultation and approval of the department chairperson, students may substitute up to six credits of course work from internships or courses in other departments to fulfill the requirements of the local history minor.

TEACHING LICENSURE

Students majoring in history may opt to pursue initial licensure as an early childhood, elementary, middle school or high school teacher. Also, history majors may pursue initial licensure as a teacher of history or as a teacher of political science/political philosophy for the middle school and secondary levels. Students seeking initial licensure must complete the history major, education major and a licensure program in education



HONORS PROGRAM

(413) 662-5449, www.mcla.edu/honr
 Co-Director: M.Silliman@mcla.edu,
 Susan.Edgerton@mcla.edu

PROGRAM OVERVIEW

The honors program presents the opportunity for highly motivated students to enrich their academic studies with challenging interdisciplinary courses, independent research, and intensive intellectual engagement with their peers. Open to students in any academic major, those who complete the program earn the distinction of All College Honors upon graduation.

Program Requirements

- Maintain a cumulative grade-point average at MCLA of 3.2 or better to remain in program
- Take at least one honors course during each academic year
- Overall 3.4 grade point average required to graduate with All College Honors designation
- Complete at least 18 credits of Honors coursework, each with a grade of B or better, to graduate with All College Honors designation

COMMONWEALTH SCHOLAR PROGRAM

Honors students may choose to undertake the prestigious Commonwealth Scholar Program. Beginning in the junior year, working closely with a faculty member, this year-long independent research project will culminate in a public presentation and defense of a thesis.

Some courses that have been offered in the past few years are:

- HONR 100-01 The Nature of Human Nature
- HONR 102-01 Art & Philosophy
- HONR 210-01 Director's Book Course
- HONR 301-01 Abraham Lincoln's Ethics
- HONR 301-01 Owinging & Belonging
- HONR 301-02 Spanish & Latin Amer Cinema
- HONR 301-02 The Romantic Movement
- HONR 301-03 Environmental Law
- HONR 301-03 Ethics and Animals
- HONR 401-02 Art and Society

INTERDISCIPLINARY STUDIES

(413) 662-5399, www.mcla.edu/idst
 Chairperson: P.Nnodim@mcla.edu

PROGRAMS AVAILABLE

**BACHELOR OF ARTS IN
 INTERDISCIPLINARY STUDIES
 CROSS-CULTURAL & SOCIAL
 JUSTICE MINOR
 TEACHING LICENSURE**



INTERDISCIPLINARY STUDIES MAJOR PROGRAM

The Department of Philosophy/Modern Languages/Interdisciplinary Studies offers a four-year program leading to a Bachelor of Arts in Interdisciplinary Studies. Students majoring in Interdisciplinary Studies can pursue one of the following options:

BA Interdisciplinary Studies (for Educators): MCLA students can pursue an initial teaching licensure at the early childhood, elementary, and middle school level through a BA in Interdisciplinary Studies in combination with an education major and a licensure program. At the early childhood and elementary school level, students choose two areas of concentration (such as English and Psychology, History and English, Environmental Studies and Mathematics). At the middle school level, students opt for a general science, humanities, or math/science concentration. Students set up their individualized study-plan selecting classes from the course offerings at MCLA in close collaboration with an interdisciplinary studies faculty advisor.

BA Interdisciplinary Studies (Self-Designed Program): MCLA's unique BA Interdisciplinary Studies (Self-Designed) program offers motivated students the option to create their own self-designed degree, by either focusing on a given theme, a geographic region, a specific question, a historical topic, an issue/problem in society, or by combining two or more disciplines into a multidisciplinary major. Examples of a self-designed program could include: European Studies, Film & Theatre, Psychology & Business, etc.

BA Interdisciplinary Studies (Pre-designed Programs): Students may also opt to pursue a pre-designed interdisciplinary program. These interdisciplinary programs are based on pre-structured study-plans, and could include programs such as:

- Cultural Studies
- American Studies
- Business and Communication
- Immigration and Diversity Studies
- International and Global Studies

Students graduating with a degree in Interdisciplinary studies will:

- Demonstrate advanced critical thinking, academic research, writing, and oral presentation skills;
- Have an understanding of how knowledge is created within different fields of inquiry;
- Be able to study important issues in societies past and present in local and global contexts from the vantage point of different disciplines and through interdisciplinary frameworks;
- Be able to study complex issues in society from ethical perspectives;
- Be able to analyze texts in cultural, social, and historical contexts;
- Apply methods, approaches, and insights from different disciplines (particularly in their respective areas of concentration) and interdisciplinary perspectives to the analysis of a given theme/issue and to the development of creative solutions to complex problems.
- Have developed skills for lifelong learning.
- Have acquired extensive knowledge of human societies and cultures, and will have developed an intercultural competence and awareness of global cultural diversity.
- Be able to assume an informed, critical, and responsible position as citizens of our increasingly interconnected world.

TEACHING LICENSURE

Students majoring in interdisciplinary Studies (with a liberal arts area of study) may opt to pursue initial teacher licensure as an early childhood teacher, elementary teacher, or middle school teacher. These students will



complete an interdisciplinary studies major, an education major, and a licensure program in education.

INTERDISCIPLINARY STUDIES MAJOR Requirements

IDST elective at the 100-200 level 3 cr
 IDST 320 Interpretation 3 cr
 OR IDST 350 World History in Contexts
 OR IDST 360 Topics in Culture and Society

1 additional IDST elective* 3 cr

IDST 401 Senior Seminar 3 cr

*Note: With the approval of the student’s IDST advisor, the “additional IDST elective” may be replaced by an elective in the student’s area(s) of study provided the course is interdisciplinary in content/approach.

Lower level courses from at least 2 disciplines other than IDST: 12 cr
 Upper level courses from at least 2 disciplines other than IDST: 18 cr

TOTAL INTERDISCIPLINARY STUDIES MAJOR REQUIREMENTS 42 cr

CROSS-CULTURAL & SOCIAL JUSTICE MINOR PROGRAM

The minor in Cross-Cultural and Social Justice Studies creates an opportunity for students to study and critically engage with important issues affecting people in our contemporary, culturally and socially diverse world. There are two tracks within the minor, a cross-cultural track and a social justice track.

Requirements

IDST 150 Intro to Cross-Cultural & Social Justice Studies 3 cr

Lower- Level Electives 6 cr
 Upper- Level Electives 9 cr

Electives: Courses must be selected from at least two different disciplines, with no more than nine credits from one discipline, and no more than six credits at the upper level from one discipline

TOTAL CROSS-CULTURAL & SOCIAL JUSTICE MINOR REQUIREMENTS 18 cr

Lower Level Electives: (6 cr)

- ANTH 130 Intro to Sociocultural Anthropology
- Or ANTH 140 Peoples of the World
- SOCI 100 Intro to Sociology
- HIST 106 Latin American Civ.
- PHIL 110 World Religions
- CCSS 264 Math of Fairness & Equity
- CCSS 268 Culture & the Body
- MUSI 253 World Music
- PHIL 250 Environmental Ethics
- SOCI 201 Social Problems

Cross-Cultural Track: (9 cr) These courses must be taken from the course offerings of at least two different disciplines.

- ANTH 320-324 Peoples of... (Not more than one)
- CCAP 300 Africans in the Diaspora
- ENGL 319 Global Issues in Communication
- ENGL 381-394 Diverse Voices in American Culture (Not more than one; excludes ENGL 389)
- ENGL 400 Intercultural Communication
- ENGL 471 World Literary Survey
- HIST 303 African American History 1607 Present
- HIST 310 Topics in Nonwestern Nations (Not more than one)
- HIST 330 Topics in Latin American History
- HIST 340 Topics in the History of Middle East & the Muslim World
- HIST 350 Topics in African History



- SPAN 310 Hispanic Civilization
- SPAN 370 Hispanic Literature in Context
- SPAN 390 Special Topics in Hispanic Literature and Film (Not more than one)
- POSC 331 Africa
- SOCI 321 Minority Groups
- SOCI 302 Genocide

Social-Justice Track: (9 cr) These courses must be taken from the course offerings of at least two different disciplines.

- ANTH 346 Stigma & Disability
- ANTH 355 Politics of Culture
- ANTH 365 Sex Roles & Society
- ANTH 370 Culture, Power & Protest
- BADM 365 Labor and Labor Law
- BADM 390 Managing Workplace Diversity
- CCAP 300 Africans in the Diaspora
- HIST 303 African American History 1607 – Present
- HIST 310 Topics in Asian History
- HIST 330 Topics in Latin American History
- HIST 340 Topics in the History of the Middle East & the Muslim World
- HIST 350 Topics in African History
- PHIL 322 Business Ethics
- PHIL 350 Contemporary Moral Issues
- PHIL 360 Social and Political Philosophy
- POSC 304 Constitutional Law
- SOCI 302 Genocide
- SOCI 303 Social Movements
- SOCI 321 Minority Groups
- SOCI 341 Social Stratification
- SOCI 351 Criminology
- SOCI 355 Law & Society
- POSC 340/SOWK340 Poverty & Social Welfare

NOTE: With the approval of the cross-cultural and social justice minor coordinator, students may obtain credits for taking other classes offered across campus, provided these classes relate to the issues of cross-cultural and social justice studies.

LEADERSHIP MINOR PROGRAM

The Leadership Minor provides students with the opportunity to combine campus and community services with leadership studies in order to acquire the knowledge and skills necessary for assuming leadership positions in our increasingly interconnected world.

Requirements

- IDST 200 Introduction to Leadership 3 cr
- ENGL 306 Business Writing and Presentation
- OR BADM 366 Team Facilitation
- OR SOWK 350 Group Counseling Skills 3 cr
- IDST 395 Leadership Practicum: 3 Practica@1 cr. (no more than 1/semester)

3 x 1 cr.=3 cr

- CCAP 300 Service Leadership 3 cr
- Or Internship*

Electives: 6 cr

*Note: Students may use an internship in another department in place of CCAP 300 Service Leadership provided that they can demonstrate to the Leadership Minor Coordinator that their on-site work and educational and experiential objectives relate to themes in leadership studies.

Electives:

- AMGT 235 Business Organizations in Arts Management
- BADM 260 Management
- ENGL 231 Power of Words
- PSYC 230 Social Psychology
- ENGL 306, BADM 366, SOWK 350 if not applied to requirements above
- ATTR 340 Athletic Training Management
- BADM 361 Organizational Behavior
- BADM 384 Marketing Communications
- BADM 390 Managing Workplace Diversity
- EDUC 375 Coaching Principles
- ENGL 396 Public Relations
- PHIL 322 Business Ethics
- PSYC 335 Organizational Psychology
- SOCI 303 Social Movements
- SOWK 355 Community Organization



NOTE: With the approval of the Leadership Minor Coordinator, students may obtain Elective credit for taking other classes, provided that they relate to leadership studies.

LEARNING SERVICES

(413) 662-5308
www.mcla.edu/learningservices

Learning Services provides support services for MCLA students, college-bound high school students and adult learners who wish to enroll in skill-based courses. Courses offered allow students to improve basic skills in reading, writing and mathematics.

Students sign up for skill based courses as a result of placement testing, instructor or advisor recommendations, or self-enrollment. Course instruction allows students to improve basic skills before enrolling in introductory level courses, providing specific learning and problem solving approaches in the area of study.

Credits earned in skill-based courses (SKIL096, SKIL097, SKIL098) are additive credits. These credits are calculated into a student's cumulative grade point average and are included in determining full-time enrollment and satisfactory academic progress for financial aid eligibility. They do not, however, count toward the 120-credit graduation requirement at MCLA.

MATHEMATICS

(413) 662-5367, www.mcla.edu/math
 Chairperson: F.Bennett@mcla.edu

PROGRAMS AVAILABLE

BACHELOR OF ARTS IN MATHEMATICS MATHEMATICS MINOR TEACHING LICENSURE

MATHEMATICS MAJOR PROGRAM

The Department of Mathematics offers a four-year program leading to a Bachelor of Arts in mathematics. The program fosters insights and solutions to a variety of problems through symbolic or numerical analysis. The practice of the discipline requires and engenders precise modes of thinking. The use of calculus, numerical methods, probability, statistics and logic is basic to the quantitative methods needed throughout society today. Students graduating with a degree in mathematics will be able to:

- Demonstrate awareness of cultural and historical aspects of mathematics;
- Communicate mathematical ideas and procedures through written and oral discussion;
- Apply mathematical ideas and procedures through reasoning to the various disciplines;
- Pursue mathematical careers or enter graduate and professional schools;
- Function as independent learners;
- Apply technology in the study of mathematics.

**MATHEMATICS MAJOR****Requirements**

MATH	220	Calculus I	3 cr
MATH	240	Introduction to Set Theory and Mathematical Logic	3 cr
MATH	261	Linear Algebra	3 cr
MATH	320	Calculus II	3 cr
MATH	330	Calculus III	3 cr
MATH	430	Calculus IV	3 cr

One course in each of the following areas:

Area I 3 cr

MATH	360	Number Theory OR
MATH	362	Algebraic Structures I

Area II 3 cr

MATH	380	Differential Equations OR
MATH	390	Numerical Analysis OR
MATH	455	Complex Variables OR
MATH	460	Real Analysis I

Area III 3 cr

MATH	281	Linear Programming OR
MATH	331	Probability Theory OR
MATH	332	Statistical Analysis OR
MATH	444	Operations Research

Area IV 3 cr

MATH	340	Graph Theory OR
MATH	344	Geometry OR
MATH	440	Topology

Two computer science courses: 6 cr

CSCI	148 and CSCI 248 OR
CSCI	121 and CSCI 122

Four additional mathematics courses 12 cr
300-level or above

Eight credits in one of the introductory 8 cr
laboratory science sequences:

BIOL	150	Foundations in Biology plus one course that requires BIOL 150 as a prerequisite
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CHEM	150-152	Introduction to Chemistry I and II
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PHYS 151-152 Introduction to Physics
I and II

TOTAL MATHEMATICS MAJOR

REQUIREMENTS 56 cr

MATHEMATICS MINOR PROGRAM

The mathematics minor develops mathematical skills at the calculus level and beyond. With the assistance of a member of the mathematics faculty, a student selects courses that readily complement and enhance his/her major discipline.

MATHEMATICS MINOR**Requirements**

MATH	220	Calculus I	3 cr
MATH	320	Calculus II	3 cr

One of the following: 3 cr

MATH	232	Introduction to Statistics
MATH	240	Introduction to Set Theory and Mathematical Logic

CSCI	121	Programming in Java I
CSCI	148	Business Program VBasic I

One mathematics elective, 200-level or 3 cr
above

Three mathematics electives, 300-level 9 cr
or above

TOTAL MATHEMATICS MINOR

REQUIREMENTS 21 cr

TEACHING LICENSURE

Students majoring in mathematics may choose to pursue initial teacher licensure as an early childhood teacher or elementary teacher. Also, mathematics majors may pursue initial licensure as a teacher of mathematics for the middle school or secondary levels. Students seeking any of these licensures must complete a mathematics major, education major and a licensure program in education.



MODERN LANGUAGES

(413) 662-5399, www.mcla.edu/span
 Chairperson: P.Nnodim@mcla.edu

PROGRAM AVAILABLE SPANISH MINOR

SPANISH MINOR PROGRAM

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 complemented by concentrated studies in Spanish.

SPANISH MINOR

Requirements

SPAN 101-102	Elementary Spanish I & II	6 cr *
SPAN 201-202	Intermediate Spanish I & II	6 cr *
SPAN 300	Spanish Conversation	3 cr
SPAN 301	Adv. Spanish Grammar & Comp.	3 cr

Any two 300-level or above Spanish electives
6 cr

TOTAL SPANISH MINOR REQUIREMENTS 18-24 cr

* Student placement in 100/200 levels based on prior coursework and experience. Students with prior experience in Spanish may choose the CLEP option for credit or may waive the appropriate number of credits.

PHILOSOPHY

(413) 662-5399, www.mcla.edu/phi
 Chairperson: P.Nnodim@mcla.edu

PROGRAMS AVAILABLE BACHELOR OF ARTS IN PHILOSOPHY CONCENTRATION IN LAW, ETHICS AND SOCIETY PHILOSOPHY MINOR TEACHER LICENSURE

PHILOSOPHY MAJOR PROGRAM

The Department of Philosophy/Modern Language/Interdisciplinary Studies offers a four-year program leading to a Bachelor of Arts in Philosophy. Through reading, discussing and writing about traditional and contemporary philosophical texts and issues, the program challenges students to bring a rigorous critical and constructive attitude to every aspect of their lives. These critical skills and habits complement any career. Students graduating with a degree in philosophy will be able and disposed to:

- Reflect on their own most basic assumptions;
- Consider a variety of perspectives on a topic;
- Become an active member of a community of learners;
- Write in a literate, clear and interesting manner;
- Read actively and fruitfully various sorts of philosophical texts;
- Understand and apply the formal structures of sound reasoning and good argumentation;
- Engage in respectful and productive conversation and collaborative thinking.

Philosophy Major Foundation Courses

PHIL 100	A First Course in Philosophy	3 cr
PHIL 200	Logic & Critical Reasoning	3 cr



PHIL 240 Ancient Philosophy	3 cr	(choose from)	3 cr
PHIL 242 Modern Philosophy	3 cr	PHIL 360 Social and Political Philosophy	
PHIL 300 Epistemology & Metaphysics	3 cr	PHIL 385 Special Topics (when appropriate)	
PHIL 350 Contemporary Moral Issues	3 cr	Or an approved equivalent	

Four Philosophy electives above the 200-level, planned with department advisor 12 cr

Two Philosophy electives above 200 level in consultation with advisor 6 cr

Course substitutions by department approval only.

Students majoring in Philosophy must publish at least two articles in the philosophical review Thesis XII, and give at least one presentation at the annual philosophy student mini-conference. Course substitutions by departmental permission.

TOTAL PHILOSOPHY MAJOR REQUIREMENTS 30 cr

Students majoring in philosophy must publish at least two articles in the philosophical review, Thesis XII, and give at least one presentation at the annual philosophy student mini-conference.

CONCENTRATION IN LAW, ETHICS AND SOCIETY

Requires students to complete the philosophy major foundation courses, plus at least seven additional courses in philosophy. To graduate in the concentration, students must complete the following requirements:

LAW, ETHICS AND SOCIETY CONCENTRATION

Requirements

Philosophy Major Foundation Courses	18 cr
PHIL 400 Contemporary Legal Philosophy	3 cr

Two applied ethics courses (choose from): 6 cr

- PHIL 325 Environmental Ethics
- PHIL 322 Business Ethics
- PHIL 485 Biomedical Ethics
- PHIL 485 Information Ethics

One social and political philosophy course

TOTAL LAW, ETHICS, AND SOCIETY CONCENTRATION REQUIREMENTS 36 cr

Students pursuing the concentration must publish at least two articles in the departmental philosophical review, Thesis XII, and produce a senior capstone project as the basis for a presentation at the annual philosophy student mini-conference.

PHILOSOPHY MINOR PROGRAM

The philosophy minor will enable students to gain knowledge of main philosophical issues that may be fruitfully combined with subject areas in other departments, including their major program.

PHILOSOPHY MINOR

Requirements*

PHIL 100 A First Course in Philosophy	3 cr
PHIL 200 Logic & Critical Reasoning	3 cr
PHIL 350 Contemporary Moral Issues	3 cr
PHIL 300 Epistemology & Metaphysics	3 cr

The remaining necessary six credit hours consist of electives taken from the philosophy department curriculum. The selection should depend on the major of the student and the student's main interests. 6 cr

TOTAL PHILOSOPHY MINOR REQUIREMENTS 18 cr



TEACHER LICENSURE

Students majoring in philosophy may choose to pursue initial teacher licensure as an early childhood teacher or elementary teacher. These students will complete the philosophy major, education major and a licensure program in education.

PHYSICAL EDUCATION

(413) 662-5354, www.mcla.edu/phed
 Coordinator: R.Shewcraft@mcla.edu

The charge of a liberal arts education includes opportunities for intellectual, physical and spiritual development. The physical education program is housed within the Department of Biology and is designed to encourage physical well-being and provides opportunities for leadership and collaboration.

The program courses offer students the opportunity to experience various forms of lifetime physical and recreation activities. These activities emphasize one or more of the different components of physical fitness: cardiovascular endurance, muscle strength, muscle endurance, flexibility, coordination, skill acquisition and weight loss. These serve as a foundation for a healthy, physically active lifestyle and inform effective choices concerning the value and place of lifetime physical activity.

SPORT COACHING PROGRAMS

The Physical Education program offer courses that support the minor program in sport coaching. This is an integrative programs that includes coursework from the Department of Education, and the Physical Education program. Please refer to the education section of the catalog for more information regarding these program.

PHYSICS

(413) 662-5455, www.mcla.edu/phys
 Chairperson: Emily.Maher@mcla.edu

PROGRAMS AVAILABLE

BACHELOR OF ARTS IN PHYSICS
BACHELOR OF SCIENCE IN PHYSICS
PHYSICS MINOR
TEACHING LICENSURE

PHYSICS MAJOR PROGRAM

The Department of Physics offers a four-year program leading to a Bachelor of Arts or Science in physics. Students study basic physical laws of nature, apply these laws in the laboratory, and explore practical applications found in society. Opportunities are available for advanced study in electronics, solid state physics, vacuum technology, computer applications and elementary particle physics. Upon graduation, students are prepared to enter graduate school in physics or related scientific and engineering fields or to enter directly into the scientific or technological community. An undergraduate degree in physics is also an excellent foundation for graduate work in architecture, law, medicine, business administration, and a host of other fields.

Students graduating with a degree in physics will be able to:

- Be able to understand the basic principles in the various fields of physics.
- Be able to make connections between various fields of physics.
- Be able to solve problems using math and physical reasoning.
- Be able to use modern computational methods to analyze and present data.
- Be able to design and conduct experiments to evaluate ideas and verify theory.



- Be able to evaluate the validity of experimental evidence.
- Be able to effectively communicate information gained by written and oral means.

PHYSICS MAJOR

Requirements

The physics program requires students to complete particular courses to meet their core curriculum requirements and to satisfy prerequisites for physics courses or to provide evidence of competency in these areas.

Bachelor of Arts:

MATH 150	Precalculus	3 cr
MATH 220	Calculus I	3 cr
MATH 320	Calculus II	3 cr
MATH 330	Calculus III	3 cr
MATH 380	Differential Equations	3 cr
Or MATH 430 Calculus IV		

PHYS 151	Introduction to Physics I	4 cr
PHYS 152	Introduction to Physics II	4 cr
PHYS 251	Introduction to Physics III	4 cr
PHYS 252	Introduction to Physics IV	4 cr
PHYS 351	Modern Physics I	4 cr
PHYS 352	Modern Physics II	4 cr
PHYS 401	Advanced Physics Laboratory I	3 cr
PHYS 480	Physics Seminar	3 cr
Select 6 credits from:		6 cr
PHYS 301	Classical Mechanics I	
PHYS 302	Classical Mechanics II	
PHYS 303	Electricity and Magnetism	
PHYS 460	Statistical Thermodynamics	
PHYS 471	Quantum Mechanics	

TOTAL PHYSICS BACHELOR OF ARTS 51 cr

Bachelor of Science:

MATH 150	Precalculus	3 cr
MATH 220	Calculus I	3 cr
MATH 320	Calculus II	3 cr
MATH 330	Calculus III	3 cr

MATH 380	Differential Equations	3 cr
Or MATH 430 Calculus IV		
PHYS 151	Introduction to Physics I	4 cr
PHYS 152	Introduction to Physics II	4 cr
PHYS 251	Introduction to Physics III	4 cr
PHYS 252	Introduction to Physics IV	4 cr
PHYS 301	Classical Mechanics I	3 cr
PHYS 302	Classical Mechanics II	3 cr
PHYS 303	Electricity & Magnetism	3 cr
PHYS 351	Modern Physics I	4 cr
PHYS 352	Modern Physics II	4 cr
PHYS 361	Mathematical Physics I	3 cr
PHYS 362	Mathematical Physics II	3 cr
PHYS 401	Advanced Physics Laboratory I	3 cr
PHYS 402	Advanced Physics Laboratory II	3 cr
PHYS 460	Statistical Thermodynamics	3 cr
PHYS 471	Quantum Mechanics	3 cr
PHYS 480	Physics Seminar	3 cr

TOTAL PHYSICS BACHELOR OF SCIENCE 69 cr

PHYSICS MINOR PROGRAM

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 field through study in upper-division courses.

PHYSICS MINOR Requirements

PHYS 151	Introduction to Physics I	4 cr
PHYS 152	Introduction to Physics II	4 cr
PHYS 251	Introduction to Physics III	4 cr
PHYS 252	Introduction to Physics IV	4 cr

Select six credits from: 6 cr

PHYS 301	Classical Mechanics I
PHYS 302	Classical Mechanics II
PHYS 303	Electricity and Magnetism
PHYS 351	Modern Physics I
PHYS 352	Modern Physics II



TOTAL PHYSICS MINOR REQUIREMENTS

22 cr

TEACHING LICENSURE

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

ROBOTICS ARTS

Department of Physics is the home to the College's Robotic Arts Project. Students majoring in physics may involve themselves in the many aspects of robotics programming, design and construction that take place within the Department.

MCLA-UMASS AMHERST COLLEGE OF ENGINEERING ARTICULATION AGREEMENT

MCLA and the UMass College of Engineering offer a dual degree program (3+2 engineering program). Under this program, qualified MCLA physics students completing their junior year will be accepted into the UMass College of Engineering. After completion of an additional two years of course work at UMass, students will receive two degrees (a B.A. in physics from MCLA and a B.S. in mechanical or civil engineering from UMass). For more information about this program contact the Department of Physics.

POLITICAL SCIENCE AND PUBLIC POLICY

(413) 662-5426, www.mcla.edu/posc
Chairperson: Kailai.Huang@mcla.edu

PROGRAMS AVAILABLE BACHELOR OF ARTS IN POLITICAL SCIENCE/PUBLIC POLICY POLITICAL SCIENCE MINOR TEACHING LICENSURE

POLITICAL SCIENCE AND PUBLIC POLICY MAJOR PROGRAM

The Department of History, Political Science and Public Policy offers a four-year program leading to a Bachelor of Arts in political science and public policy, a unique interdisciplinary major where students combine classroom learning with field experiences and interactions with political and public policy practitioners. Majors will develop knowledge of U.S. and comparative governments, international relations, politics and the policy process, as well as develop liberal arts and vocational skills to prepare for graduate school and careers in public administration, law, business, political and public policy research, and organizational management. Students graduating with a degree in political science and public policy will:

- Gain a knowledge of the basic institutions of government at the national, state and local levels in the United States;
- Develop a comparative understanding of politics and policy processes in democratic and non-democratic nation-states;
- Gain an understanding of the relationship of international relations to war, peace and the global economic systems;
- Understand the concept of power, its sources and operation;



- Appreciate and understand the historical context of the development of political ideas, institutions and policy processes;
- Understand contrasting views of the role of individuals in politics and policy-making through such organizations as groups and political parties;
- Gain a knowledge of the competing normative philosophies and scientific theories regarding political behavior and the role of government;
- Develop quantitative analytical skills in data creation and analysis and an ability to apply social science methodologies;
- Develop political and administrative skills by working in government and public organizations.

POLITICAL SCIENCE/PUBLIC POLICY MAJOR

Requirements

REQUIRED COURSES:

POSC 201 US Government & Public Policy	3 cr
POSC 202 Comparative Government & Public Policy	3 cr
POSC 205 International Relations	3 cr
POSC 210 Political Science Research & Methods	3 cr
HIST 203 American History I	3 cr
HIST 204 American History II	3 cr

UPPER LEVEL REQUIREMENTS- 6 cr

POSC 401-402 Seminar in Problems in Political Science	
OR POSC 403 Seminar in Public Policy	
POSC 540 Internship in Political Science & Public Policy One Methods/Theory/Political	

ELECTIVES (21 credits required-choose from)

ECON 141 Macroeconomics
MATH 232 Introduction to Statistics
ENVI 340 Environmental Law

ENVI 310 Politics & Environmental Policy
POSC 300 Politics & News Media in America
POSC 304 Constitutional Law
POSC 315 Topics in Political Science
POSC 316 Topics in Public Policy
POSC 325 Canadian Politics
POSC 331 Africa
POSC 340/SOWK 340 Inequality & Social Policy
POSC 500 Directed Independent Study
POSC 510 Teaching Assistantship in Political Science
POSC 540 Internship in Political Science (In addition to required 3 credit internship)
PHIL 360 Social & Political Philosophy)

TOTAL POLITICAL SCIENCE/PUBLIC POLICY MAJOR REQUIREMENTS 45 cr

POLITICAL SCIENCE MINOR PROGRAM

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

POLITICAL SCIENCE MINOR

Requirements

POSC 201 U.S. Government & Public Policy	3 cr
POSC 202 Comparative Gov't & Public Policy	3 cr
Four electives approved by the Department	12 cr

TOTAL POLITICAL SCIENCE MINOR REQUIREMENTS 18 cr



PSYCHOLOGY

(413) 662-5464, www.mcla.edu/psyc
Chairperson: Maria.Bartini@mcla.edu

PROGRAMS AVAILABLE

BACHELOR OF ARTS IN PSYCHOLOGY
BEHAVIOR ANALYSIS MINOR
PSYCHOLOGY MINOR
TEACHER LICENSURE

PSYCHOLOGY MAJOR PROGRAM

The Department of Psychology offers a four-year program leading to a Bachelor of Arts in psychology. Students study principles of human growth and development and the processes of learning, cognition and emotion. Particular attention is given to knowledge related to personality development, maladaptive behavior, social diversity and group interactions, and the biological bases of behavior. The major provides the foundation for careers in human services and counseling, in business and industry, and in working with children, adolescents and adults in schools or clinical settings. The major program also prepares students for graduate study in all areas of psychology, social work, business, education, and other related professions.

Students graduating with a degree in psychology will be able to:

- Demonstrate knowledge of the following areas of psychology: Developmental, abnormal, social, and research and statistical methodology;
- Demonstrate competence in helping design empirical research;
- Demonstrate competence in using a statistical package to analyze data and to present those results in APA manuscript style;
- Communicate proficiently, both orally and in writing.

PSYCHOLOGY MAJOR

Requirements

PSYC	100	Introduction to Psychology	3 cr
PSYC	290	Psychological Research & Stats I	4 cr
PSYC	291	Psychological Research & Stats II	4 cr

Two of the following three courses: 6 cr

PSYC	210	Developmental Psychology
PSYC	230	Social Psychology
PSYC	270	Abnormal Psychology

One of the following two courses: 4 cr

PSYC	360	Psychological Testing
PSYC	390	Research Design & Analysis

Two of the following five courses: 6 cr

PSYC	310	Cognitive Psychology
PSYC	316	Behavior Analysis
PSYC	331	Biological Psychology
PSYC	350	Theories of Personality
PSYC	370	Human Communication & Perception

Two additional psychology courses at the 300-level or above 6 cr

One of the following three courses: 3 cr

PSYC	410	History of Psychology
PSYC	499	Advanced Seminar in Psychology

PSYC 550 Senior Thesis

One year (or equivalent competency) of a foreign language 6 cr

BIOL	150	Introduction to Biology	4 cr
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TOTAL PSYCHOLOGY MAJOR REQUIREMENTS 46 cr

Specific career objectives may be pursued by selecting additional upper-division elective courses. Selections are to be made in consultation with the academic advisor.



BEHAVIOR ANALYSIS MINOR PROGRAM

This minor prepares students for careers and/or graduate study in behavior analysis, which has widespread application in areas such as psychology, education, social work, and health and human services. In addition, the minor satisfies the current course work requirements for the Board of Certified Associate Behavior Analyst examination (BCABA).

BEHAVIOR ANALYSIS MINOR: Experimental Analysis of Behavior Track Requirements:

PSYC	100	Introduction to Psychology	3 cr
PSYC	290	Psychological Research & Stats I	4 cr
PSYC	291	Psychological Research & Stats II	4 cr
PSYC	316	Behavior Analysis	3 cr
PSYC	416	Research in Behavior Analysis	3 cr
PSYC	516	Func. Assessment & Intervention	3 cr

TOTAL BEHAVIOR ANALYSIS MINOR: EXPERIMENTAL ANALYSIS OF BEHAVIOR TRACK REQUIREMENTS 20 cr

Behavior Analysis Minor: Applied Behavior Analysis Track Requirements:

PSYC	100	Introduction to Psychology	3 cr
PSYC	208	Applied Developmental Psychology	3 cr
Or PSYC	210	Developmental Psychology	
PSYC	316	Behavior Analysis	3 cr
PSYC	387	Childhood Disorders	3 cr
PSYC	416	Research in Behavior Analysis	3 cr
PSYC	516	Func. Assessment & Intervention	3 cr

TOTAL BEHAVIOR ANALYSIS MINOR: APPLIED BEHAVIOR ANALYSIS TRACK REQUIREMENTS 18 cr

BEHAVIOR ANALYSIS MINOR : New England Center for Children Cooperative Program in Behavior Analysis Track Requirements:

PSYC	100	Introduction to Psychology	3 cr
PSYC	316	Behavior Analysis	3 cr

The following courses are taken at the New England Center for Children:

PSYC	552	Advanced Learning	3 cr
PSYC	553	Functional Analysis & Treatment of Behavioral Disorders	3 cr
Or PSYC	554	Systematic Inquiry in Applied Res.	
PSYC	555	Seminar & Practica Clinical Practice	9 cr

TOTAL BEHAVIOR ANALYSIS MINOR: NEW ENGLAND CENTER FOR CHILDREN PROGRAM IN BEHAVIOR ANALYSIS TRACK REQUIREMENTS 21 cr

PSYCHOLOGY MINOR PROGRAM

The psychology minor enables students to acquire a fundamental understanding of complex human behaviors.

PSYCHOLOGY MINOR Requirements

PSYC	100	Introduction to Psychology	3 cr
PSYC	290	Psychological Research & Stats I	4 cr
PSYC	291	Psychological Research & Stats II	4 cr
Two of the following three courses: 6 cr			
PSYC	210	Developmental Psychology	
PSYC	230	Social Psychology	
PSYC	270	Abnormal Psychology	

Two additional psychology courses at the 300-level or above 6 cr

TOTAL PSYCHOLOGY MINOR REQUIREMENTS 23 cr



TEACHER LICENSURE

Students majoring in psychology may opt to pursue initial teacher licensure as an early childhood teacher, or elementary teacher. These students will complete the psychology major, education major and a licensure program in education.

SEMINARS, RESEARCH AND TOPICS COURSES, SENIOR THESIS AND INTERNSHIPS

Seminars offered at the 200, 300 and 400 level allow students interested in advanced study or in pursuing graduate work in psychology or related fields to identify aspects of contemporary psychology of sufficient personal interest to support directed or independent scholarly work. Topic courses are offered to address special areas of psychology not included in the general curriculum. Students discovering such interests are encouraged to pursue them by enrolling in PSYC 397 Research Seminar, PSYC 391 Research Assistant, and PSYC 496 Research in Psychology and/or PSYC 500 Independent Study in Psychology. During the senior year, and with the approval of two faculty members, a student may then register for PSYC 550 Senior Thesis. Students are also encouraged to seek out internship in a wide variety of mental health and social services placements during their junior or senior year.

SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

(413) 662-5473, www.mcla.edu/soci
Chairperson: M.Ethier@mcla.edu

PROGRAMS AVAILABLE
BACHELOR OF ARTS IN SOCIOLOGY
ANTHROPOLOGY MINOR
CHILD AND FAMILY STUDIES MINOR
CRIMINAL JUSTICE MINOR
HEALTH, AGING AND SOCIETY MINOR
SOCIAL WORK MINOR
SOCIOLOGY MINOR
TEACHING LICENSURE

SOCIOLOGY, ANTHROPOLOGY, SOCIAL WORK MAJOR PROGRAM

The Department of Sociology, Anthropology, and Social Work offers a four-year program leading to a Bachelor of Arts in sociology. The program emphasizes both scientific and humanistic methods of inquiry in the study of dynamics within families, delinquent gangs, factory workers, high technology industries, social classes and other groups. Students are encouraged to integrate formal instruction with supervised activities outside the classroom such as internships in social agencies, research in the local community, service learning experiences, or attendance at professional meetings. Students may specialize in studying such areas as anthropology, sociology, social work, health and aging, children and families, or criminal justice. 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 and sales. Students graduating with a major in sociology will:

- Be able to think critically, write and speak effectively, and utilize library and internet resources.
- Be able to understand sociocultural perspectives, demonstrate cross-cultural awareness, and identify forms of social inequality and stratification.
- Be able to understand social science research methods and findings
- Be able to acquire active/applied learning experiences.
- Be prepared for careers and graduate school.

SOCIOLOGY MAJOR

Requirements

SOCI	100	Introduction to Sociology	3 cr
ANTH	130	Intro to Sociocultural Anthropology	3 cr
Or ANTH 140 Peoples of the World			
SOCI	331	Methods of Social Research	3 cr
SOCI	312	Sociological Theory	3 cr
Or SOCI 321 Minority Groups			
Or SOCI 341 Social Stratification			

Two sociology electives, one of which must be 300-400 level course (Specific CCSS courses may be used for this requirement. Check with the Department for prior approval.) 6 cr

Six departmental electives 18 cr

TOTAL SOCIOLOGY MAJOR REQUIREMENTS 36 cr

ANTHROPOLOGY MINOR PROGRAM

The anthropology minor allows students to explore a range of areas in anthropology or to concentrate in cultural/ethnographic studies or

in applied/medical anthropology. The minor in anthropology requires 18 credit hours, at least 15 credit hours of which must be earned in classroom courses. (A sociology major completing the anthropology minor may apply only ANTH 130 or ANTH 140 to both programs.)

ANTHROPOLOGY MINOR

Requirements

ANTH	130	Introduction to Sociocultural Anthropology	3 cr
Or ANTH 140 Peoples of the World			
Any "Peoples of" course:			
ANTH	320-324		3 cr
Two 300-500 level anthropology electives			6 cr
Two other anthropology electives			6 cr

TOTAL ANTHROPOLOGY MINOR REQUIREMENTS 18 cr

CHILD AND FAMILY STUDIES MINOR PROGRAM

The child and family studies minor focuses on the development of children, the forms and functions of families and the role of both in society at large. It offers students who anticipate working with children and families after graduation, as well as those who plan further study in the field, a solid foundation in these areas. (A sociology major completing the child and family studies minor may apply only SOCI 210 Families to both programs)

CHILD AND FAMILY STUDIES MINOR

Requirements

PSYC	210	Developmental Psychology	3 cr
Or PSYC 208 Applied Developmental Psychology			
SOCI	210	Families	3 cr
Electives			12 cr

TOTAL CHILD AND FAMILY STUDIES MINOR REQUIREMENTS 18 cr



12 elective credits in courses designated as Child and Family Studies, 9 of which must be 300 level or above (see list below). Courses must be selected from at least two different departments (two different disciplines within one department is not sufficient).

CCCA 207	Children's Literature
PSYC 356	The Psychology of Gender
ANTH 140	Peoples of the World
PSYC 386	Adolescent Development
ANTH 320	Peoples of the Middle East
PSYC 387	Childhood Disorders
ANTH 321	Peoples of the Caribbean
PSYC 460	Human Behavior Cross-Cult
ANTH 322	Peoples of China
ANTH 323	Peoples of Africa
SOCI 352	Juvenile Delinquency
ANTH 324	Native American Peoples
SOCI 360	Women, Movies, and MTV
ANTH 330	Children and Culture
SOWK 340/POSC 340	Inequality and Social Policy
ANTH 365	Sex Roles and Society
SOWK 375	Family Violence
HIST 315	Women in American History
SOWK 380	Women and Health
PSYC 270	Abnormal Psychology
SOWK 443	Casework with Couples and Families
PSYC 340	Psyc of Children w/Special Needs
SOWK 452	Social Work with Juvenile Delinquents
PSYC 355	Human Sexuality
PSYC 380	Educational Psychology

CRIMINAL JUSTICE MINOR PROGRAM

The criminal justice minor offers students an introduction to correctional counseling or law enforcement based on a liberal arts foundation and capped by a field placement experience. The minor consists of 18 credit hours. Courses

other than SOCI 100, Introduction to Sociology cannot be used toward the major in sociology or any other minor in the Department of Sociology, Anthropology and Social Work. All students must take 12 credit hours of foundation courses and six credit hours in one of the two tracks.

Foundation Courses

SOCI 100	Introduction to Sociology	3 cr
SOCI 540	Internship	3 cr
Or SOWK 540	Internship	
Choose two of following:		6 cr
SOCI 351	Criminology	
SOCI 352	Juvenile Delinquency	
SOCI 355	Law & Society	

TOTAL FOUNDATION COURSES 12 cr

CORRECTIONAL TREATMENT TRACK

Foundation Courses	12 cr
Choose two of the following:	6 cr
SOWK 348	Social Work Skills
SOWK 350	Group Counseling Skills
SOWK 395	Special Topics in Social Work
SOWK 442	Social Casework
SOWK 452	Social Work with Juvenile Delinquents

TOTAL CRIMINAL JUSTICE MINOR CORRECTIONAL TRACK REQUIREMENTS 18 cr

LAW ENFORCEMENT TRACK

Foundation Courses	12 cr
Choose two of the following:	6 cr
SOCI 201	Social Problems
SOCI 282	Deviant Behavior
SOCI 395	Special Topics in Sociology



POSC 304 Constitutional Law
 PSYC 369 Forensic Psychology

Students may choose one of the following provided that the course was not selected as Foundation courses:

SOCI 351 Criminology
 SOCI 352 Juvenile Delinquency
 SOCI 355 Law & Society

**TOTAL CRIMINAL JUSTICE MINOR
 LAW ENFORCEMENT TRACK
 REQUIREMENTS 18 cr**

**HEALTH, AGING AND SOCIETY
 MINOR PROGRAM**

The health, aging, and society minor enables students to receive a grounding in the social scientific perspective and issues of aging and of health. The minor consists of 18 credit hours.

**HEALTH, AGING AND SOCIETY MINOR
 Requirements**

SOCI 100 Introduction to Sociology 3 cr
 Or ANTH 130 Intro. to Sociocultural Anthropology
 Or ANTH 140 Peoples of the World

Five courses from the following lists with at least two from each focus 15 cr

Aging Focus

CCSS 275 Aging & Society
 SOCI 335 Health & Aging
 SOCI 336 Death & Dying
 SOCI 337 Aging & the Life Course
 PSYC 388 Adulthood & Aging

Health Focus

ANTH 345 Culture, Health & Illness
 ANTH 346 Stigma and Disability
 SOWK 380 Women & Health

PSYC 355 Human Sexuality
 PSYC 357 Psychology of Women

Option to replace one course in this program with:

SOWK 540 Social Work Internship

**TOTAL HEALTH, AGING AND SOCIETY
 MINOR REQUIREMENTS 18 cr**

SOCIAL WORK MINOR PROGRAM

The social work minor provides students with a sound introduction to the history of the field as well as to the major approaches and skills used by social workers. The minor consists of 18 credit hours of which three credits are for field work. (A sociology major completing the social work minor may apply only SOCI 100, Introduction to Sociology, to both programs.)

SOCIAL WORK MINOR

Requirements

SOCI 100 Introduction to Sociology 3 cr
 SOWK 241 Introduction to Social Work 3 cr
 SOWK 348 Social Work Skills 3 cr
 SOWK 540 Social Work Internship 3-15 cr

Two 300-400 level social work electives 6 cr

**TOTAL SOCIAL WORK MINOR
 REQUIREMENTS 18-30 cr**

SOCIOLOGY MINOR PROGRAM

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 of which must be completed in the classroom.

**SOCIOLOGY MINOR****Requirements**

SOCI 100 Introduction to Sociology	3 cr
SOCI 312 Sociological Theory	3 cr
Or SOCI 331 Methods of Social Research	
Or SOCI 341 Social Stratification	

Two 300-500 level sociology electives	6 cr
Two other sociology electives	6 cr

TOTAL SOCIOLOGY MINOR REQUIREMENTS**18 cr****TEACHING LICENSURE**

Students majoring in sociology may opt to pursue initial teacher licensure as an early childhood teacher or elementary teacher. These students will complete the sociology major, education major and a licensure program in education.

PRACTITIONER SERIES COURSES

The social work and criminal justice practitioner series utilizes the rich experience of leading area professionals to present courses in specialty areas not covered in the general curriculum. Practitioners provide a mix of theory and practical wisdom developed over years of experience. These are evident as they teach courses in their areas of specialization (e.g., child welfare, mental health, corrections).

WOMEN'S STUDIES

(413) 662-5541, www.mcla.edu/wmst
Contact: F.Jones-Sneed@mcla.edu

**PROGRAMS AVAILABLE
MINOR PROGRAM IN WOMEN'S
STUDIES****WOMEN'S STUDIES MINOR PROGRAM**

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

WOMEN'S STUDIES MINOR**Requirements**

WMST 201 Introduction to Women's Studies	3 cr
15 elective credits in courses designated as Women's studies, nine of which must be 300 level or above	15 cr

TOTAL WOMEN'S STUDIES MINOR REQUIREMENTS**18 cr****Women's Studies Approved Elective Courses**

ANTH 330	Children & Culture
ANTH 365	Sex Roles & Society
BIOL 395	Biology & Gender
BADM 390	Managing Workplace Diversity
CCHH 210	American Women Regionalist Writers
CCSS 268	Culture & the Body
ENGL 357	Virginia Woolf



Academic Listings

- ENGL 359 Toni Morrison
ENGL 362 Moore & Bishoff
HIST 305 Women in European History
HIST 315 Women in American History
IDST 360 Special Topics (when
applicable)
PHIL 485 Ethics & Gender
PHED 146 Self Defense for Women
PSYC 355 Human Sexuality
PSYC 356 Psychology of Gender
PSYC 357 Psychology of Women
SOCL 210 Families
SOCL 360 Women, Movies, and MTV
POSC 340/SOWK 340
Inequality & Social Policy
SOWK 375 Family Violence
SOWK 380 Women & Health
SOWK 443 Casework with Couples
& Families
WMST 202 Feminist Theory
WMST 310 Women's Studies Service
Seminar
WMST 395 Special Topics in Women's
Studies



COURSE DESCRIPTIONS

ARTS MANAGEMENT (AMGT)

AMGT 130 Introduction to Arts Management 3 cr

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

AMGT 235 Business Organizations in Arts Management 3 cr

Examines organizational development of arts agencies with emphasis on the impact of individuals upon others within the organization, individual perceptions, recognition of human responses, and the development of group dynamics and processes.
Prerequisite: AMGT 130

AMGT 330 Grants & Fund Raising 3 cr

Introduces the techniques in grant research and technical and contextual writing skills for grants in the arts. Examines government and private sources of art funding and fund raising techniques for arts organizations.
Prerequisite: AMGT 235

AMGT 335 Museum Studies 3 cr

Explores the operation of the art museum as a means to introduce the student to various aspects of the museum profession. Field trips to area museums and experience with the research and mounting of a didactic display highlight the study.
Prerequisite: AMGT 130 or ART 117

AMGT 340 Performing Arts Management 3 cr

Examines issues particular to the management of performance artists. Focuses on contracts, legal issues, union representation, artistic freedom, promotion and marketing. Emphasis will be placed on problem-solving and negotiation with the individual artist.
Prerequisite: AMGT 130

AMGT 430 Topics in Arts Management 3 cr

Studies in depth a specific aspect of arts management designed to provide advanced work in arts management analysis, communication, legal issues and marketing. Primarily for arts management students in the junior and senior year. Content identified by subtitle.
Prerequisite: AMGT 130

AMGT 435 Advanced Museum Studies 3 cr

An advanced level of museum study which includes management and exhibition.
Prerequisite: AMGT 335

ANTHROPOLOGY (ANTH)

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. Course attributes: CRCU, CSS, SOCJ.
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. Course attributes: CRCU, CSS, SOCJ.
Prerequisite: None

ANTH 320 Peoples 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. Course attributes: CRCU.
Prerequisite: ANTH 130 or ANTH 140 or instructor approval

ANTH 321 Peoples of the Caribbean 3 cr

Explores diverse aspects of life and culture in the Caribbean focusing on the following themes: colonial history of the Caribbean and the rise of plantation culture, gender and family life; the economic situation; industry and commerce; religion and life cycles; education; health care and access to medical services; democratization and political activism, such as the rise of Rastafarianism, ethnic identity and conflict. Course attributes: CRCU.
Prerequisite: ANTH 130 or ANTH 140



ANTH 322 Peoples 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 trends toward rapid industrialization and "democratization." Course attributes: CRCU.
Prerequisite: ANTH 130 or ANTH 140 or instructor approval

ANTH 323 Peoples of Africa 3 cr
Focuses on the ethnic, cultural, religious, economic and political diversity in select regions of Africa, as representative of the kinds of differences found throughout the continent. Explores such diversity through a historical framework, addressing the history of colonial penetration, the impact it had in various parts of Africa and in the African diaspora, and the complex interplay between indigenous cultures and their values with the exigencies of the modern nation state. Course attributes: CRCU.
Prerequisite: ANTH 130 or ANTH 140

ANTH 324 Native American Peoples 3 cr
Explores indigenous cultures of North America. Students will consider technology and social systems, contact between indigenous and European cultures, migration issues, pre-Columbian world view and life ways. Contemporary issues including sovereignty, land claims, social issues and cultural autonomy will be examined. Course attributes: CRCU.
Prerequisite: ANTH 130 or ANTH 140

ANTH 330 Children and Culture 3 cr
Focuses on a comparative analysis of children's lives in the U.S. and other cultures. Examines the interplay of culture and biology in the socialization process. Children will be viewed at work and at play. Explores significant social problems affecting children. Course attributes: WMST.
Prerequisite: ANTH 130 or ANTH 140

ANTH 345 Culture, Health and Illness 3 cr
Compares medical beliefs and practices in Western and non-Western societies. Examines cultural beliefs, social behaviors, and economic and environmental factors that influence susceptibility to disease. Addresses issues concerning patient-doctor communication and psychosocial management of illness.
Prerequisite: ANTH 130 or ANTH 140

ANTH 346 Stigma and Disability 3 cr
Examines the concept of stigma and its application to individuals with physical, mental and emotional disabilities in American culture and evaluates the impact of stigma on interpersonal encounters between the disabled and the able bodied. Examines adaptive strategies and destigmatization processes. Course attributes: SOCJ.
Prerequisite: ANTH 130 or ANTH 140 or SOCI 100

ANTH 355 Politics of Culture 3 cr
Explores nation-states as social and historical creations. Examines the forces and factors that produce national, ethnic, indigenous and popular culture. Investigates gendered, ethnic and religious dissent, and controversies concerning diverse cultural claims and transnational processes. Considers the role of popular culture in shaping representations of self and others. Examples are drawn from the U.S., Israel/Palestine, South Africa, Egypt, Tibet, and more. Course attributes: SOCJ.
Prerequisite: ANTH 130 or ANTH 140 or instructor approval

ANTH 355H Honors: Politics of Culture 3 cr
Explores nation-states as social and historical creations. Examines the forces and factors that produce national, ethnic, indigenous and popular culture. Investigates gendered, ethnic and religious dissent, and controversies concerning diverse culture claims and transnational process. Considers the role of popular culture in shaping representations of self and others. Examples are drawn from the U.S. Israel/Palestine, South Africa, Egypt, Tibet, and more. Course attributes: HONR.
Prerequisite: ANTH 130 or ANTH 140 or instructor approval

ANTH 365 Sex Roles and Society 3 cr
Examines the roles and statuses of women and men in Western and nonWestern societies, treating gender as a social construct rather than a biological given. Considers theories about the bases of sexual inequality and the relationship between gender and other social hierarchies. Investigates how cultural notions of gender influence an individual's religious, political, sexual and familial experiences. Course attributes: SOCJ, WMST.
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. Course attributes: SOCJ.
Prerequisite: ANTH 130 or ANTH 140

ANTH 395 Special Topics in Anthropology 3 cr
A course or seminar for students who have taken a substantial number of anthropology courses. Such courses or seminars may explore any of a variety of topics concerning social anthropology, physical anthropology, archeology, applied anthropology or linguistics, or courses in theory and method.
Prerequisite: ANTH 130 or ANTH 140 and additional prereqs to be announced



ANTH 499 Teaching Assistant in Anthropology 3 cr

Supervised academic class presentation(s), assistance with study sessions and tutorials, attendance at all classes, final paper and other duties negotiated with course instructor. Must have completed a minimum of four (4) courses in the discipline, have a 3.0 overall GPA or better, and a B+ or better in the course. This course can be taken for either pass/fail or traditional letter grading. The course requires approval of the department prior to enrollment.

Prerequisite: Junior/senior status

ANTH 500 Independent Study 1 to 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/senior status, department approval

ANTH 540 Anthropology Internship 3 to 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/senior status, ANTH130 or ANTH140, six semester hours of related courses at 200 level or above, department approval

ART (ART)

ART 116 Introduction to Drawing 3 cr

Introduces basic vocabulary, concepts and art practices through the study and creation of drawing. Drawing is fundamental to the visual arts. Students develop a variety of drawing projects by working from observation. Techniques employed focus on line, value and form. These include outline, cross-contour drawing, shading, value, basic composition, sketching, precision measuring and proportion and sight-size method. Media include paper, charcoal, chalk and/or ink.

Prerequisite: None

ART 117 Great Monuments of Art I 3 cr

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

Prerequisite: None

ART 118 Introduction to Design 3 cr

Using a variety of materials, this introductory course explores design elements, characteristics and concepts including presentation skills and the role of the craft. Students develop visual thinking strategies by using line, shape, form, texture, value, color and space, as well as the concepts of focal point, unity, variety, movement, pattern and balance.

Prerequisite: None

ART 212 Introduction to Painting 3 cr

This in-depth studio art laboratory uses painting from observation to investigate and refine the use of color. Projects and readings include painting media and their use, classic and contemporary palette organization, color mixing and color theory.

Prerequisite: ART 116

ART 216 Intermediate Drawing 3 cr

Drawing is fundamental to the visual arts. Students will develop a variety of intermediate drawing projects by working from observation and imagination. Techniques focus on line, modeling and perspective; including outline, structural drawing, architectural drafting, plus object and/or environment design.

Prerequisite: ART 116

ART 217 Great Monuments of Art II 3 cr

Introduces contemporary art from the mid 19th century to the present day, and how the art embodies and expresses contemporary visual culture. Examples from American, European and non-Western contemporary art will be included, as well as examples from local museums for first-hand interactions.

Prerequisite: ART 117

ART 218 Intermediate Design 3 cr

Students integrate and extend processes and media that were introduced in the first semester, with a focus on how compositional development, conceptual and material process and independent inquiry form the foundation of the design process.

Prerequisite: ART 118

ART 221 Introductory Seminar in Art History 3 cr

Studies art history with a specific focus on the artists and periods. Social, political and economic trends, along with the period's cultural context, are employed in the understanding and interpretation of the art. This course cannot be taken more than once for credit.

Prerequisite: ART 117

ART 232 Intermediate Painting 3 cr

Continues the exploration of our visual world, with increased attention to painting materials, color and palette, composition and metaphor in painting.

Prerequisite: ART 116, ART 212



ART 235 Studio Techniques 3 cr
Students study and practice important facets of studio art techniques and creative methods in a creative arts laboratory environment. The course includes exercises and art projects to prepare students as they begin to develop a professional portfolio of original artworks.
Prerequisite: ART 116

ART 299 Portfolio Assessment 1 cr
Assesses a formal art portfolio, curriculum plan and artist's statement. Each student creates and presents the portfolio and written materials for formal review by art major faculty members to receive concrete feedback about the student's work quality and work ethic. This course serves as the gateway to some upper-level classes in the art major, and as such it should be taken prior to the 3rd year of art major studies. This course will be graded on a pass/fail basis.
Prerequisite: 45 credit hours, art major or minor

ART 305 The Human Figure 3 cr
Draw and/or paint based on direct observation of the nude model. The human figure is a central force of symbolism in European and American fine art. As such students will interact with artistic anatomy traditions and innovations.
Prerequisite: ART 116

ART 306 The Concrete Poem 3 cr
Combine words and images in experimental, interdisciplinary formats such as hypertext, photo collage, mural-graffiti, sculptural installation and word-based painting or drawing. After preliminary studies and exercises, students develop their own visual concrete poems.
Prerequisite: ART 116

ART 311 Topics in Art 3 cr
Provides advanced work in analysis, interpretation and research. Offerings: art, history and the American landscape.
Prerequisite: ART 117

ART 312 Form and Composition 3 cr
Advanced studio art laboratory course using drawing and painting to develop advanced illusionistic, sculptural approaches to 2-D visual imagery, as related to composition and symbol derived from observation of the world.
Prerequisite: ART 212

ART 315 Intermediate Art Lab 3 cr
Focus on the creation of a series of artworks around a common theme, technique or art medium. This is an intermediate studio art laboratory course. This course may be repeated.
Prerequisite: ART 116, ART 212

ART 321 Intermediate Seminar in Art History 3 cr
Covers specific areas of art history in order to supplement the more comprehensive introductory level studies of art. Students

gain an in-depth experience with one medium or period. Offerings: Prehistoric to Early Renaissance Art; History of 19th and 20th Century Art; History of American Watercolor Painting; History of American Poster Graphics; The Prendergasts and the "Eight"; Homer, Eakins, and Sargent; Art and the Italian Landscape; The Lure of Italy, 19th Century Artists and the Italian Experience.
Prerequisite: ART 117

ART 335 Intermediate Studio (Technique) 3 cr
Employs mid-level studio art techniques to create original artworks. Method and techniques vary by semester and may include art forms such as cast painting, block printing, digital photography, book arts, sculpture or other specialty topics. Course may be repeated.
Prerequisite: Department approval

ART 412 Advanced Art Lab 3 cr
Advanced, experimental studio art laboratory. Course work includes analysis and creation of symbolic/metaphoric systems, conceptual methods and decision-making in aesthetics as related to individualized art projects designed by the student with frequent feedback from the instructor, peer groups and/or guest artists. The course may be repeated.
Prerequisite: ART 315

ART 413 Advanced Seminar in Art History 3 cr
Studies art history with a more specific focus on artists and periods. Social and political theory is employed in the understanding and interpretation of art. Offerings: Art and Society 1870-1914; French Impressionist Era; Art and the Art Museum; Art of the Italian Renaissance.
Prerequisite: ART 117

ART 435 Advanced Studio (Technique) 3 cr
Employs advanced studio art techniques to create original artworks. Method and technique vary by semester and may include art forms such as portraiture, engraving, manipulated photography, book arts, sculpture, or other advanced specialty topics. Course may be repeated.
Prerequisite: ART 299

ART 480 Senior Art Project 3 cr
Develop a public exhibition of art created in the art studios. Under the supervision of FPA faculty, students will select work from their art portfolios, organize and present a professional display in an art gallery or other appropriate community venue.
Prerequisite: ART 299, ART 312

ART 510 Studio Art Teaching Assistantship 3 cr
Learn the fundamentals of art lab management and studio art teaching. Course content covers federal and state regulations regarding art media and their use, various philosophies of art education, and practical applications in the college classroom.



With faculty guidance, advanced students gain a preliminary teaching experience.

Prerequisite: Instructor approval

ATHLETIC TRAINING (ATTR)

ATTR 100 Observation in Athletic Training I 1 cr

Introduces the field of athletic training. Includes completion of hands-on proficiency skills related to the field of athletic training, outlined by the NATA Education Council. This course will be graded on a pass/fail basis. Coreq: ATTR 220

Prerequisite: None

ATTR 101 Observation in Athletic Training II 1 cr

Explores further the introduction to the field of athletic training. Includes completion of hands-on proficiency skills related to the field of athletic training, outlined by the NATA Education Council. This course will be graded on a pass/fail basis. Coreq: ATTR 221

Prerequisite: None

ATTR 200 Practicum in Athletic Training I 1 cr

Builds on course content acquired by the sophomore year of the athletic training program. Provides clinical experience in the field of athletic training. A presentation, practice and outcomes testing of clinical proficiency skills outlined by the NATA Education Council is required. Experience will come from various sports and settings. This course will be graded on a pass/fail basis.

Prerequisite: ATTR major Coreq: ATTR 321

ATTR 201 Practicum in Athletic Training II 1 cr

Expands upon course content acquired by the sophomore year of the athletic training program. Provides clinical experience in the field of athletic training. A presentation, practice and outcomes testing of clinical proficiency skills outlined by the NATA Education Council is required. Experience will come from various sports and settings. This course will be graded on a pass/fail basis.

Prerequisite: ATTR major Coreq: ATTR 322

ATTR 220 Introduction to Athletic Training I 3 cr

Introduces students to the field of athletic training and sports medicine. Explores fundamental principles of athletic training, which includes terminology, physical conditioning and injury prevention. Coreq: ATTR 100

Prerequisite: None

ATTR 221 Introduction to Athletic Training II 3 cr

Explores further the introduction to the field of athletic training and sports medicine. Emergency procedures and health care administration in athletic training will be emphasized.

Prerequisite: ATTR 220 Coreq: ATTR 101

ATTR 300 Practicum in Athletic Training III 1 cr

Builds on course content acquired by the junior year of the athletic training program. Provides clinical experience in the field of athletic training. A presentation, practice and outcomes testing of clinical proficiency skills outlined by the NATA Education Council is required. Experience will come from various sports and settings. This course will be graded on a pass/fail basis.

Prerequisite: ATTR major Coreq: ATTR 337

ATTR 301 Practicum in Athletic Training IV 1 cr

Expands upon course content acquired by the junior year of the athletic training program. Provides clinical experience in the field of athletic training. A presentation, practice and outcomes testing of clinical proficiency skills outlined by the NATA Education Council is required. Experience will come from various sports and settings. This course will be graded on a pass/fail basis.

Prerequisite: ATTR major Coreq: ATTR 338

ATTR 321 Lower Body Assessment 4 cr

Explores all aspects of injury evaluation. Injuries to the lower extremity and lumbar spine will be stressed through lecture and lab.

Prerequisite: ATTR major

ATTR 322 Upper Body Assessment 4 cr

Explores all aspects of injury evaluation. Injuries to the upper extremity, head and cervical spine will be stressed through lecture and lab.

Prerequisite: ATTR major

ATTR 337 Modalities in Athletic Training 4 cr

Explores neurophysiology and human physiology. Students will learn how these systems are affected when microfailure has occurred. Students will also learn how to use therapeutic modalities and develop specific protocols that will affect the recovery of the microfailure. Required laboratory.

Prerequisite: ATTR major

ATTR 338 Therapeutic 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: ATTR major



ATTR 340 Athletic Training Management
3 cr

Explores management issues related to the field of athletic training and sports. Topics include but are not limited to health care administration, professional development, ethics, budgeting, legal concerns, drug testing and blood-borne pathogens. This course also prepares the athletic training student for the NATA exam, employment and/or graduate school.

Prerequisite: Junior/senior status

ATTR 400 Practicum in Athletic Training V
1 cr

Builds on course content acquired by the senior year of the athletic training program. Provides clinical experience in the field of athletic training. A presentation, practice and outcomes testing of clinical proficiency skills outlined by the NATA Education Council is required. Experience will come from various sports and settings. The course will be graded on a pass/fail basis.

Prerequisite: ATTR major Coreq: ATTR 450

ATTR 401 Practicum in Athletic Training VI
1 cr

Expands upon course content acquired by the senior year of the athletic training program. Provides clinical experience in the field of athletic training. A presentation, practice and outcomes testing of clinical proficiency skills outlined by the NATA Education Council is required. Experience will come from various sports and settings. This course will be graded on a pass/fail basis.

Prerequisite: ATTR 200, ATTR 201, ATTR 300, ATTR 301, ATTR 400

ATTR 450 General Medicine in Athletic Training
1 cr

Explores all aspects of non-orthopedic injuries and disorders of the physically active including history taking, evaluation and instrument use. Exposes the Athletic Training student to non-orthopedic injuries and disorders associated with the physically active.

Prerequisite: BIOL 342, BIOL 343

BUSINESS
ADMINISTRATION
(BADM)

BADM 100 Explorations in Business 3 cr

Introduces students to the basic functions of business and management through examination of contemporary issues in businesses and organizations. Topics include management of human and financial resources, production and marketing of goods and services, and legal and ethical issues in decision-making. Provides students with basic competencies in business communications and research methods, and illustrates both successful/unsuccessful decision-making. Course attributes: CSS.

Prerequisite: Open to all except junior/senior Business Administration majors

BADM 201 Business Law I 3 cr

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

Prerequisite: Sophomore status

BADM 206 Math Methods for Business and Economics 3 cr

Studies the fundamental methods of mathematics applied in business, economics and finance. Familiarizes students with basic Business and Economics principles of optimization and marginal analysis. Topics include linear, polynomial, exponential and logarithmic functions, graphs, limits, and basic concepts of differentiation and applications of derivative. This course will be waived if the student has previously complete MATH 220 Calculus I.

Prerequisite: Completion of Tier I Quantitative Reasoning requirement

BADM 210 Information Technology for Business 3 cr

Explores the application of technology to business communications and decision-making. Students will utilize word-processing, spreadsheets, databases, statistical analysis software, Internet tools, graphics and presentation software to find, retrieve, organize and present business information. Emphasizes the importance of technology (including ethics and etiquette) in facilitating efficient business communication.

Prerequisite: CCCL 100



BADM 224 Financial Accounting 3 cr

Introduces basic principles and methods used to develop financial statements. Introduces ethical issues in accounting. The course focuses on the key concepts involved in understanding how business events affect the financial statements, without going into double-entry record keeping. Spreadsheet and word processing software are used in the analysis of financial information.

Prerequisite: CCCL100

BADM 225 Managerial Accounting 3 cr

Introduces basic cost principles and methods used to determine, plan and control costs. The course focuses on developing and using relevant managerial accounting information to make business decisions. Spreadsheets and word-processing software are used in the analysis of managerial accounting information.

Prerequisite: CCCL 100

BADM 240 Issues in Event and Sport Management 3 cr

Provides students with an overview of the basic issues in managing events in business, culture and tourist venues, and sport and fitness industries. Covers all aspects of event management, including feasibility studies, operational planning and marketing evaluation. Industries examined include professional, collegiate and amateur levels of sport organizations; cultural and tourism venues, as well as all business organizations planning conferences, trade shows, and other events.

Prerequisite: None

BADM 242 Legal & Social Environmental 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: Sophomore status

BADM 260 Management 3 cr

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

Prerequisite: Sophomore status

BADM 270 Marketing 3 cr

Examines the role of marketing in today's organizations and in society and studies the complex multicultural, global organization of today. Examines basic theory and terminology with emphasis on the major marketing components: product, price, promotion and distribution. Uses multiple research sources, including the Internet, to explore the marketing practices of today's organizations and learn real world applications of marketing theory.

Prerequisite: Sophomore status

BADM 290 Sophomore Special Topics 3 cr

Introduces students to various topics of emerging importance in the fields of marketing, management, finance, accounting, and e-commerce. Examines current issues in one or more of these areas.

Prerequisite: Sophomore status

BADM 300 Personal Investing 3 cr

Provides an introductory but comprehensive study of the major aspects of personal investing. Topics covered include investment goals and strategies, risk/return assessment, individual stock investing - fundamental and technical analysis, bonds, stock mutual funds (various types/objectives), global investing, money market mutual funds, the New York Stock Exchange/financial markets and institutions, accessing investment information and analysis on the Internet, online investing. No prior business courses are required or necessary.

Prerequisite: Junior status

BADM 303 Business Law II 3 cr

Continues the study of business law focusing 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 320 Accounting Systems 3 cr

Studies how accounting information is recorded and summarized using double-entry record keeping, first manually and then using a commercial accounting software package. Students will be introduced to the design, operation and management of computerized accounting information systems, and will develop an understanding of how accounting systems serve the other management informational needs of a business.

Prerequisite: BADM 224

BADM 321 Financial Reporting I 3 cr

Studies the measurement and disclosure issues in accounting for assets in accordance with generally accepted accounting principles (GAAP). Studies the theoretical, practical and ethical issues involving alternative GAAP. Students use general ledger software in the analysis of accounting information and preparation of financial statements.

Prerequisite: BADM 320

BADM 322 Financial Reporting II 3 cr

Continues the study of measurement and disclosure issues in accounting for liabilities and equity in accordance with GAAP. Further studies the theoretical, practical, and ethical issues involving alternative GAAP, as well as the income statement and the statement of cash flows. Students use computer software in the analysis/presentation of financial reporting issues.

Prerequisite: BADM 321



BADM 330 Cost Accounting 3 cr

Focuses on the development of cost information needed by managers to plan and control in manufacturing, merchandising, and service enterprises. Topics build on material introduced in managerial accounting and include: job and process costing, standard costing, cost allocations, inventory management, transfer pricing and performance measurement. Spreadsheet and general ledger software will be used in the analysis of cost accounting information.
Prerequisite: BADM 225

BADM 335 Federal Taxation - Individuals 3 cr

Studies federal income tax laws for individuals, with a broad overview of Massachusetts income tax laws for individuals. Students use commercial tax preparation software to enhance their ability to interpret and apply income tax laws as it applies to individuals.
Prerequisite: BADM 224

BADM 340 Financial Management 3 cr

Studies the acquisition and administration of funds in today's corporation. Topics include shareholder wealth maximization concepts, the globalization of financial markets, working capital, risk/return, alternative forms of short- and long-term funds, financial statements analysis, mergers and acquisitions.
Prerequisite: BADM 224, ECON 141, junior status

BADM 345 Sport Finance and Economics 3 cr

Examines the theoretical and practical implications of economics and finance in sports. Basic theories in finance and economics are applied to managerial control of sport organizations. Includes financial analysis, feasibility studies, and economic impact studies of sport teams and venues. Examines microeconomic decisions made by sport consumers, players and managers, owners and venue governing bodies.
Prerequisite: BADM 240, ECON 142

BADM 350 Global Business and Economic Issues 3 cr

Analyzes the current global business and economic issues facing businesses and organizations. Provides interactive participation of students and faculty from multiple campuses. Students utilize business and economic theory to analyze and address critical issues facing multi national corporations. Topics include various global business and public policy issues. Students work on inter-campus project teams via the course website to produce multimedia analytical reports.
Prerequisite: Junior status; completion of Tier II Self & Society domain

BADM 361 Organizational Behavior 3 cr

Explores the study of group behavior in various organizational settings through the study of organizational theories of structure, culture motivation, communication and group dynamics. Cases

and/or group activities are used to illustrate the application of theory to actual organizational scenarios.

Prerequisite: Junior status

BADM 362 Human Resource Management 3 cr

Examines and analyzes personnel functions of staffing, developing, compensating and motivating. Specific techniques within each function are explored in detail. Emphasizes the legal environment in which the human resource manager operates.
Prerequisite: BADM 260

BADM 363 Operations Management 3 cr

Examines today's organizations to gain an understanding of planning, organizing, and controlling production facilities in manufacturing and service industries.
Prerequisite: ECON 216, BADM 260

BADM 365 Labor and Labor Law 3 cr

Provides an understanding of labor laws and their evolution, unions and their operations, and the nature of the union-management relationship. Utilizes case decisions to illustrate the collective bargaining process. Course attributes: SOCJ.
Prerequisite: Completion of Tier II Human Heritage

BADM 366 Team Facilitation 3 cr

Develops an understanding of the processes and techniques of team-building and the interpersonal skills needed to become an effective facilitator. Students will engage in self-analysis that identifies their personal skills/abilities and their areas of strength/weakness. Students will be assigned to teams and operate as both a member/facilitator during the semester. They will learn how to deal with dysfunctional team members while developing interpersonal skills, enabling them to identify problems and work toward solutions.
Prerequisite: Junior status

BADM 367 Small Business Entrepreneurship 3 cr

Introduces students to various types of small businesses through discussion, debate, and demonstrations. Provides them with knowledge and skills necessary to prepare a viable business plan. Students will be expected to develop and complete a business plan.
Prerequisite: Junior status

BADM 380 Strategic Marketing 3 cr

Provides an understanding of how to manage the firm's marketing program. Marketing communications, strategy, product policy and overall marketing effectiveness are explored. Appropriate application of the marketing mix is covered through practical business applications.
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 business decision-making.

Prerequisite: BADM 270

BADM 382 Marketing Research 3 cr

Examines the uses and limitations of marketing research information in strategic decision-making. Follows the marketing research process from problem definition through statistical analysis of data.

Prerequisite: BADM 270, ECON 216

BADM 384 Marketing Communications 3 cr

Approaches the subject from an integrated marketing communications perspective. Examines advertising, publicity, sales promotion, personal selling and the use of the Internet. Positioning, creativity, media planning and overall marketing effectiveness are determinants of success that will help students visualize, create and communicate a complete project.

Prerequisite: BADM 270

BADM 385 Global Marketing 3 cr

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

Prerequisite: BADM 270

BADM 386 Sport Marketing 3 cr

Examines the socio/cultural and economic impact that sport marketing has on society, including race and gender issues. Also examines various promotional activities in sport marketing - media relations, publicity and public relations; image advertising; and sponsorships. Examines principles of organizing and promoting sport events and activities.

Prerequisite: BADM 240, BADM 270

BADM 387 Service and Event Marketing 3 cr

Provides students with an in-depth analysis of the marketing functions in the service industries. Explores marketing of goods and services at the wholesale and retail level, direct sales marketing, marketing of business and personal services, marketing of cultural, tourist, sporting and business events, non-profit marketing, such as the arts and social services, and the role of marketing on the Internet.

Prerequisite: BADM 270

BADM 390 Managing Workplace Diversity 3 cr

Examines the roles of women and minorities from the 1600s to the present day to gain an understanding of why and how those

roles have evolved. Integrates the changes in social, political, and economic conditions and value systems as they affect the ability of women and minorities to effectively function in social and work environments. Course attributes: SOCJ, WMST.

Prerequisite: Junior status

BADM 405 Contemporary Business and Organizational Issues 3 cr

Provides an overview of current issues relating to management and marketing areas in a variety of organizational settings. Emphasizes operating, strategic, and ethical considerations in decision-making within today's dynamic environment.

Prerequisite: BADM 260, BADM 270

BADM 420 Business Resource Center 3 cr

Offers students an opportunity to provide consulting services to area firms.

Prerequisite: Junior status, 2.5 GPA

BADM 421 Advanced Financial Reporting 3 cr

Explores the theoretical and practical issues involved in accounting for business combinations, multinational transactions, partnerships, governmental units and not-for-profit organizations. Students use computer software in the analysis/presentation of cases.

Prerequisite: BADM 322

BADM 423 Auditing 3 cr

Examines the professional standards and ethics of auditing. Explores the theoretical foundation of standards. Considers how field work, sampling, computers and management characteristics impact audit risk assessment. The moral and ethical responsibilities of the profession permeate the course. Students use computer software in the analysis and solution of cases/audit project.

Prerequisite: BADM 322

BADM 435 Federal Taxation - Entities 3 cr

Studies federal income tax laws for C corporations, S corporations, partnerships, trusts, and estates and more complex personal income taxes. Students will prepare entity tax returns, perform basic tax planning and research publicly available federal tax information from the Internet.

Prerequisite: BADM 322, BADM 335

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 340



BADM 475 Seminar in Event and Sport Management 3 cr

Examines existing policies and development of suggested policies for the management of events and sport organizations. Uses case studies and current issues in event and sport management to develop critical decision-making capabilities. Serves as a capstone course for the concentration, integrating knowledge from the major, concentration, and other undergraduate experiences and its application to those current issues.

Prerequisite: BADM 240 and either a) BADM 387 & ECON 377 or b) BADM 345 & BADM 386

BADM 490 Special Topics in Business Administration 3 cr

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

Prerequisite: Junior status

BADM 500 Independent Study in Business 1 to 3 cr

Open to juniors and seniors who wish to study a topic in depth. Final reports and frequent conferences with the advisor are required. Enrollment requires individual application and department approval.

Prerequisite: Junior status

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. All departmental foundation courses must be completed before enrolling in this course.

Prerequisite: Senior status, BADM 340

BADM 540 Internship in Business 3 to 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. Enrollment requires individual application with faculty sponsorship and department approval. Students must have completed 24 BADM/ECON credits and 12 credits at MCLA prior to application. (3 credits may be applied to the 12 upper-level credits required in the general program.)

Prerequisite: Junior status, 2.5 GPA

BADM 550 Accounting Internship 1 to 15 cr

Offers eligible students the opportunity for enhanced educational opportunities by providing actual field experience in public or private accounting that relate to their accounting interests. During the assignment, the student will complete an individualized learning contract sponsored and approved by a faculty member

from the department. Only 3 internship credits may be applied to the 30 required accounting credits to sit for the CPA exam.

Prerequisite: BADM 322, junior status, 2.5 GPA

BIOLOGY (BIOL)

BIOL 100 Concepts in Biology 4 cr

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

Prerequisite: None

BIOL 101 Biology Seminar for Majors 1 cr

Introduces students to biology in order to support majors in their academic work. Explores the diversity of fields within biology through presentations, reading and writing activities and interactions with peers and mentors. This seminar is required for all MCLA biology majors.

Prerequisite: Biology major

BIOL 105 Human Biology 3 cr

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

Prerequisite: None

BIOL 150 Introduction to Biology 4 cr

Introduces the student to cell biology, mitosis, meiosis, genetics, photosynthesis, respiration and cellular organisms. This course is designed for, but not limited to, students pursuing a major/minor in science. Required laboratory. Course attributes: CSTL, ENVI.

Prerequisite: None

BIOL 195 Topics in Biology 1 to 4 cr

Provides students with an opportunity to explore different topics and current issues in biology or related fields within the Department. This course is designed to focus on special biological topics or issues at an introductory level.

Prerequisite: None

BIOL 235 Botany 4 cr

Overview of the fundamental principles of plant biology with emphasis on anatomy, taxonomy, physiology and evolution of algae, non-vascular and vascular plants, including major divisions of gymnosperms and angiosperms. The focus will be on plants of economic, cultural or ecological significance. Required laboratory. Course attributes: ENVI.

Prerequisite: BIOL 100 or BIOL 150

**BIOL 240 Genetics****4 cr**

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

Prerequisite: BIOL150

BIOL 245 Zoology**4 cr**

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

Prerequisite: BIOL150 or equivalent

BIOL 250 Nutrition**3 cr**

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

Prerequisite: BIOL100 or BIOL150

BIOL 255 Biodiversity**4 cr**

Focuses on global, regional and local patterns of biological diversity and the processes that influence these patterns. Central to discussions of biodiversity pattern and process will be the relevant scientific principles from ecology, evolution and conservation biology. The impact of humans on natural systems and biodiversity loss will also be discussed. Specific case studies will be used to illustrate biodiversity loss and proposals to protect and restore biodiversity. Required laboratory. Course attributes: CSTL.

Prerequisite: None

BIOL 295 Topics in Biology**1 to 4 cr**

Provides students with an opportunity to explore different topics and current issues in biology or related fields within the Department. This course is designed to focus on special biological topics or issues at a sophomore level.

Prerequisite: BIOL 150 or department approval

BIOL 305 Immunology**3 cr**

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

Prerequisite: BIOL 240

BIOL 307 Pharmacology**3 cr**

Examines the basic principles of pharmacology. Focuses on prescription and non-prescription drugs, their use, actions, indications, contraindications, misuse and abuse. Drugs will be considered on a body system basis with the appropriate consideration of the application of pharmacological principles as applied to specific body systems. Emphasis is on pharmacological applications to athletic training. Stresses the use of electronic media in

both learning exercises and as a source of drug information.

Prerequisite: BIOL 150, CHEM 150

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 150

BIOL 316 Functional Human Anatomy**3 cr**

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

Prerequisite: BIOL 100 or BIOL 150

BIOL 317 Advanced Genetics**3 cr**

Studies selected topics in the field of genetics. Emphasizes the genetic mechanism as well as how this enables us to understand how genetics fits into the growing field of biology as well as its impact upon society.

Prerequisite: BIOL 240

BIOL 318 Parasitology**4 cr**

Introduces students to the principles of parasitology and the related health concerns to humans and animals. Parasites from the following categories will be covered: protozoa, platyhelminthes, nematoda and arthropoda. Required laboratory.

Prerequisite: BIOL 245

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.

Course attributes: ENVI.

Prerequisite: BIOL 240

BIOL 324 Marine Biology**3 cr**

Explores the factors that limit the abundance and distribution of marine organisms. Topics include the diversity of habitats, reproductive strategies and the interrelationships between organisms, as well as the influence of currents, light, temperature and nutrient supply on the abundance and distribution of life in the oceans. Course attributes: ENVI.

Prerequisite: BIOL 235, BIOL 245 or permission of instructor

BIOL 327 Plants and Society**3 cr**

Introduces students to the interactions between people and plants in cultures throughout the world. Topics to be discussed include the current and historical use of plants as food, fiber, fuel and medicine. Course attributes: ENVI.

Prerequisite: None

**BIOL 327H Honors: Plants and Society****3 cr**

Introduces students to the interactions between people and plants in cultures throughout the world. Topics to be discussed include the current and historical use of plants as food, fiber, fuel and medicine. Course attributes: ENVI, HONR.

Prerequisite: None

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/senior Biology majors

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 341 Conservation Biology**3 cr**

Introduces the preservation of biodiversity at all levels: genetic, population, community, ecosystem and biosphere. Topics will include population biology, extinction, wildlife and land-use management, and socioeconomic factors involved in conservation decision making. Course attributes: ENVI.

Prerequisite: BIOL 100 or BIOL 150 or ENVI 150 or ENVI 150H

BIOL 342 Anatomy and Physiology I**4 cr**

Explores structure and function of the organ systems of the human body, with emphasis on the integumentary, skeletal, muscular, nervous and endocrine systems. The required laboratory includes histology, gross anatomy and physiology exercises. Required laboratory.

Prerequisite: BIOL 150

BIOL 343 Anatomy and Physiology II**4 cr**

Explores structure and function of the organ systems of the human body, with emphasis on the respiratory, cardiovascular, immune, renal and reproductive systems. The required laboratory includes histology, gross anatomy and physiology exercises. Required laboratory.

Prerequisite: BIOL 150, BIOL 342

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. Course attributes: ENVI.

Prerequisite: BIOL 100 or BIOL 150

BIOL 351 Ornithology**4 cr**

Provides an overview of the fundamental principles of avian biology with emphasis on ecological and behavioral aspects of ornithology. Students will learn to identify about 100 regional species by sight and/or sound. A semester long project will encourage students to investigate and read the ornithological peer-reviewed scientific literature. Lab activities will include field trips to practice identifying birds and collecting avian field data. Required laboratory. Course attributes: ENVI.

Prerequisite: BIOL 100 or BIOL 150 or ENVI 150 or ENVI 150H or instructor permission

BIOL 360 Biochemistry**3 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.

Prerequisite: CHEM 201

BIOL 371 Forest Environment**4 cr**

Provides the student a background and introduction to the forest ecosystem. The temperate forest of the Northeast will exemplify the principles discussed. Required laboratory. Course attributes: ENVI.

Prerequisite: Junior status

BIOL 380 Evolution**3 cr**

Examines the history of evolutionary thought and the processes of organic evolution. Students will present selected topics to the class. Guest speakers will present the effects of Darwinian thinking in such disciplines as philosophy, anthropology, psychology, sociology and religion.

Prerequisite: Junior status and/or department approval

BIOL 390 Biometry**3 cr**

Application-oriented introduction to data analysis in the context of biology. Students will learn to statistically analyze and interpret data collected from a variety of biological experiments.

Prerequisite: Junior status and MATH 150, or MATH 220, or MATH 232

BIOL 395 Special Topics in Biology**1 to 4 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/senior status, department approval

BIOL 410 Biotechniques**4 cr**

Explores major techniques in the fields of biochemistry, cellular biology and molecular biology. This course is designed to be completely laboratory based.

Prerequisite: BIOL 240, BIOL 245

**BIOL 424 Field Study in Marine Biology****4 cr**

Students will conduct research studies in marine habitats. Field work will take place in the Bahamas over spring break. Students will have the opportunity to visit a variety of habitats, such as sandy intertidal zones, estuaries, mangrove forests, shallow benthic areas and coral reefs (barrier, fringing and patch). Students will plan studies, conduct research at the field station, prepare a research report and present their findings.

Prerequisite: BIOL 324, instructor approval

BIOL 440 Physiological Aspects of Exercise**4 cr**

Develops an understanding of the phenomena involved in optimum physiological functioning during work performance, whether it be in everyday living or athletic participation. Provides students with an understanding of the physiological aspects of exercise and its practical applications. Required laboratory.

Prerequisite: BIOL 150

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. Course attributes: ENVI.

Prerequisite: BIOL 245

BIOL 480 Cell Biology**4 cr**

Explores the eukaryotic and prokaryotic cell. Examines the cellular processes of transport phenomena, membrane metabolism, growth, and reproduction, with detailed coverage of the ultrastructure and function of cellular organelles. Laboratory emphasizes development of investigative techniques and genetic engineering. Required laboratory.

Prerequisite: Junior/senior status

BIOL 484 Biomechanical Analysis of Human Movement**3 cr**

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

Prerequisite: BIOL 316

BIOL 491 BMC: Clinical Chemistry**8 cr**

Introduces the student to the physiology of the organ system of the body and the various analytes that interact with them. Discusses abnormal physiology and relates to various disease states. Discusses the principles of test methodology. The student applies this theory to the clinical lab using current diagnostic techniques and instrumentation to correlate lab results to disease processes.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med Tech Clinical Lab Experience

BIOL 492 BMC: Clinical Molecular Biology**1 cr**

Introduces the student to the basic structure and function of DNA. Discusses the impact of molecular genetics in medicine and specific methods for analysis. The student applies this theory in the molecular biology laboratory using current diagnostic techniques and instrumentation to correlate lab results with disease.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med. Tech. Clinical Lab Experience

BIOL 493 BMC: Clinical Immunology**1 cr**

Introduces the student to the immune system and the immune response. Discusses immune detection, immunodeficiency disorders, autoimmune diseases, hypersensitivity, and tumor and transplant immunology. Discusses the antigen-antibody complex and the relationship to current testing methodology. The student applies this theory in the clinical lab using current immunologic techniques and instrumentation to correlate lab results to disease processes.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med. Tech. Clinical Lab Experience

BIOL 494 BMC: Clinical Hematology**8 cr**

Introduces students to the study of the hematopoietic system including the relationship of hematologic diseases to diagnostic characteristics. Discusses erythrocyte and leukocyte disorders; cellular morphology, mechanisms and disorders of hemostasis and fibrinolysis; and principles of test methodology. The student applies this theory in the clinical lab using current diagnostic techniques and instrumentation to correlate lab results to disease processes.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med. Tech. Clinical Lab Experience.

BIOL 495 BMC: Clinical Urinalysis and Body Fluids**1 cr**

Introduces the student to the study of body fluids including urine, cerebral spinal fluid, synovial fluid, serous fluids, seminal fluid and miscellaneous other fluids. Discusses specimen collection and analysis. The student applies this theory in the clinical lab using current diagnostic techniques and instrumentation to correlate lab results with disease processes.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med. Tech. Clinical Lab Experience



BIOL 496 BMC: Clinical Microbiology
8 cr

Introduces the student to the study of bacterial, fungal, parasitic and viral infections in humans. Discusses transmission, clinical symptoms, specimen collection and laboratory methods used to identify suspect organisms. Discusses prevention, as well as antibiotic therapy. The student applies this theory in the clinical lab to isolate and identify pathogens, to provide antibiotic sensitivity information, and to correlate culture results with disease states. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med. Tech. Clinical Lab Experience.

BIOL 497 BMC: Clinical Immunohematology
5 cr

Introduces the student to the different human blood groups, blood components, the antibody screening and identification process, transfusion protocols, blood donor screening, and state and federal regulations. The student applies this theory in the clinical lab to process blood and its components, determine blood product compatibility, apply appropriate quality control and correlate patient results to blood disorders. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med. Tech. Clinical Lab Experience.

BIOL 500 Biology Independent Study
1 to 3 cr

Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required. Prerequisite: Junior/senior status, department approval

BIOL 510 Biology Independent Research
1 to 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 **1 to 15 cr**

Offers the student an opportunity to practice in a professional situation relevant to the biology major. The student will work with a faculty sponsor and an off-campus supervisor, as appropriate. Prerequisite: Department approval, junior/senior status

BIOL 590 Medical Technology/Cytotechnology Internship **15 to 16 cr**

A specialized internship for this concentration taken during the fourth year of the program in an accredited hospital with a medical technology or cytotechnology program. During the internship students receive clinical laboratory training. Prerequisite: Department approval, senior status

CORE CAPSTONE (CCAP)

CCAP 300 Capstone Seminar: **3 cr**

Challenges students to integrate knowledge from several disciplines, applying academic learning and critical thinking skills to modern-day issues. Encourages students to work with others and become engaged citizens in the context of today's world. Course attributes: CAP.

Prerequisite: Junior status and completion of all Tier I and Tier II requirements

Tier III Capstone Course Descriptions

Africans in the Diaspora

This course will explore the activities and experiences of African people who live outside the African continent from the earliest times to the present. This course examines the migration of Africans to Europe, Asia, and the Americas, and gives special attention to the slave trade across the Sahara Desert and the Atlantic and Indian Oceans; the comparative experience of Africans in slavery in the Middle East and the Americas; emancipation and the process of racial and national integration; and the economic, political, and cultural contributions of Africans in the Diaspora, especially as it relates to elements of African culture such as religion, music, art, literature, language, and folklore.

The Changing North American Landscape

The technological conveniences and material prosperity that we enjoy in the 21st century United States is largely a product of how people have used the abundant natural resources of this continent. In addition, the negative environmental consequences we experience are also a product of our interactions with the landscape. When Europeans first arrived in North America just over 500 years ago, people had already been living in and interacting with the North American landscape for thousands of years. Overtime the landscape shaped the people and in turn the people shaped the landscape. Even thousands of years later, the effects of how people used their world is still evident. Further, the ways we use and influence nature will continue to shape the landscape for centuries and millennia to come. We will explore one central question throughout this course: how do people influence the environment and how does the environment influence people?

Entrepreneurship & Culture

An American business and its founder will be studied as a reflection of the social, political, economic, philosophic, artistic, scientific, and technological theories and conditions at the time of the firm's establishment. The course emphasizes instruction and exercise in multidisciplinary research, writing, and the connectedness of interdisciplinary knowledge.



The Postmodern Condition

Will explore a spectrum of “third alternatives” to the MacIntyre’s Modernist dualism that have been forged in the last half of the twentieth century. The course will begin with a brief survey of Modernism’s dualisms using the three “modern masters,” Sigmund Freud, Karl Marx, and Friedrich Nietzsche. Then the course will consider a range of proposals in the arts, in political science, in social and psychological theory, and in philosophy that have appeared as a simultaneous critique of Modernism and alternatives to it. One theme of the course will be the variety of intellectual positions (philosophical, aesthetic, social, gendered, etc.) that claim for themselves the sobriquet, “postmodern”.

Light, Sight, and Insight

What, exactly, is light? How does the mind’s eye make sense out of what you see? What is insight and how is it connected to light and sight? Like experts who study these phenomena, we may come away with more intriguing questions than answers. In the process, we will observe and describe different qualities of light in nature, grapple with visual illusions, and read historic and contemporary texts about the nature of light, the workings of vision, and the relation of light and vision to insight. You will also become familiar with the more technical aspects of working with light, including lenses, cameras, and digital media hardware.

Our Food, Ourselves

This seminar takes a multi-disciplinary approach to the subject of food - how humans obtain it, produce it and distribute it, and the crises that result from improper management of food resources. It will survey the history and cultures of food, explore our relationship to land and animals, and pose questions about current trends in agriculture. As we look at food issues from both a local and global perspective, we will explore two over-riding themes: how we relate to the land and environment and the need to build sustainability, health and food security.

From DNA to Homo sapien

Students will demonstrate the basics of genetics, and how DNA is structured and provides the recipe for life as the predominant informational molecule. The basic principle of evolutionary theory will be analyzed and how after some 3.5 billion years we have gone from organic molecules to humans. We will apply the role of genes (DNA) to the modern world and its impact on societies and the future of humans. We’ll explain its impact on evolutionary psychology and the behaviors of modern humans and how they came about through the evolutionary process. Genetics and evolutionary theory extends far beyond the area of “biology” and impacts history and the social sciences in the modern world. We will analyze, how is it that the “book”, known as the Human genome, is in reality, the book that wrote itself. The pieces of the puzzle will be demonstrated and applied to their own lives as citizens of a democratic republic.

The Future of Food

As food moves rapidly through global markets in the twenty-first century, individuals, movements and government policy makers are hotly contesting ideas about food safety, farm subsidies, new biotechnology, marketing practices, and the means of production, distribution, and regulation which should prevail within and between nations.

Science and Spirit

Explores the interface between leading-edge science and the spiritual insights of the great wisdom traditions. Identifies common denominators, areas of conflict, and possibilities for synthesis. Helpful for students who wish to grapple with the “why” along with the “how” of things.

Service Leadership

Provides an opportunity for emerging campus student leaders from any academic discipline to engage in service leadership projects where they can bring their academic knowledge and understanding as well as their developing leadership abilities to bear. Each student identifies a project, conducts thorough research regarding the problem issues associated, engages in service that addresses the problem and completes a major research paper regarding their effort. A background in the theory, practice and research of service learning and leadership will be presented.

Environmental Communications

This class begins with an important case study: the causes and effects of Hurricanes Katrina and Rita on New Orleans. We will then be focusing on four elements of Environmental Communication. The first is the concept which in cognitive science is called “conceptual framework theory.” This theory studies the underlying assumptions and habits of thought that shape the environmental outlook of people with whom we hope to communicate. It is only by shifting these conceptual frameworks that our interlocutors can begin to listen to news about the environment. A second method of analyzing environmental information is social choice theory (a blend of sociology and economics that studies values). Third, we will be studying systems theory (which will enable students to make visual charts of the complex interrelations of money, people, and the environment). Last, we will be studying the leadership techniques used by Ernest Shackleton on his voyage to the Antarctic on the ship Endeavor. Students will next look at the larger picture of how the earth is doing, and then they will apply these theories to an environmental problem of their choosing, examining the quality of the answer these techniques facilitate, and then students will design an effective way to communicate the best solution to the problem they have chosen to study as a service to the larger community of which they are a part. Students may follow up on these projects as independent studies, which we envision being administrated by an advisory board from the college and community, as well as a sponsoring instructor



Berkshire Art, Industry, & Tourism

Considers the historical, social, & economic impact of agriculture, industry, culture, & tourism on Berkshire County. Offers an integrative perspective on industrial development, the role of the arts, and the impact of tourism on Berkshire County throughout the 19th, 20th, and now 21st century. Examines these concepts in the context of the microcosm of Berkshire County.

America on the World's Stage: Devil or Angel?

In this course, you will have the opportunity to explore answers to several current and controversial questions, including: What is - and what should be - America's role in the world today? And, what circumstances led America to be perceived alternately as imperialist (devil) and emancipator (angel) at different times in its history?

The Physics Circus

A physics circus is a performance of oversized and awesome demonstrations. It links art and science through creation, production, and performance of a show designed to entertain and amaze audiences of all ages while helping them to learn basic science. The driving force behind this course is the notion that if people are presented with scientific phenomena in an engaging way, they will understand the science better, and they will be more likely to have a good attitude towards learning more science in the future. This course is suitable for all students, including those who have no background in either science or the theater.

Food, Nutrition, and Culture

This course will integrate knowledge from several disciplines as an introduction into the emerging field of the sociology of food. We will critically analyze modern-day issues related to food. We will also work in groups as we examine the cultural meanings of food, its production, distribution, preparation, and consumption. Topics will include food and its relationship to historical and cultural factors, the thin ideal and the health-related risks of anorexia and bulimia, food and social class, food choices, the fast food industry, and food chain philosophies.

This course will integrate knowledge from several disciplines as an introduction into the emerging field of the sociology of food.

News Literacy

An interdisciplinary course that provides students with the necessary analytical and critical-thinking abilities to sift information and recognize the difference between facts, inferences and opinion in the news content in a First Amendment environment where the number and variety of news delivery platforms has increased exponentially and a sense of information overload is pervasive. Designed to help students become more discerning news consumers empowered to act as responsible citizens in a democratic society.

**CORE CREATIVE ARTS
(CCCA)**

CCCCA 101 Creative Arts: Methods and History 3 cr

What are the creative arts? How are they made, by whom and why? What are some major examples of the arts? The course will attempt to answer these questions through an interdisciplinary study of the eight arts (pictures, sculpture, music, theatre, film, dance, architecture and literature) and their relation to society in the past, in the present and in the varieties of world civilizations. Course attributes: CCA.
Prerequisite: None

CCCA 102 The Art of Madness 3 cr

Examines myths and realities of madness from the perspective of the creative arts (e.g., art, literature, film, poetry). Explores a variety of artistic forms from the viewpoint of the artist and observer in studying the dimensions of maladaptive traits and behaviors. Emphasis is on critical thinking and analysis of the subject matter, the creator and the artistic medium within which it is portrayed. Course attributes: CCA.
Prerequisite: None

CCCA 202 The Good Earth: The Theme of Agrarianism 3 cr

Studies agrarian themes and their importance by surveying literature, music, paintings, and photography. Focuses on artistic perceptions of the earth and human relationships to it. Explores agrarian traditions, values and beliefs. Includes a study of agrarian social, political and economic issues. Course attributes: CCA, ENVI.
Prerequisite: None

CCCA 203 Inventing Modernism 3 cr

Surveys art works from this dominant twentieth century philosophy and arts movement by considering how its values and aesthetic ideals shaped film, painting, communication, fashion, theatre and architecture. Investigates such thinkers and artists as Freud, Gropius, Klimt and Schiele. Course attributes: CCA.
Prerequisite: None

CCCA 205 Popular Hollywood Films: 1950s 3 cr

Uses the basic concepts and insights of the creative arts to examine the ways which American popular film of the 1950s incorporates ideas and societal reality into its modes of representation. Explores the relationships between American films and American popular culture. Course attributes: CCA.
Prerequisite: None



CCCA 206 Rumi's Vision 3 cr

Studies the poetry, life, and times of the great 13th century Sufi mystic, Jelaluddin Rumi. This is a course for students who want to expand their horizons and explore a view of reality that is not based on secular materialism. Because of excellent modern translations, Rumi is rapidly becoming one of the most relevant and powerful poets of our time. Course attributes: CCA.
Prerequisite: None

CCCA 207 Children's Literature: A Lively Art 3 cr

Develops a critical understanding of the verbal and visual art of children's literature. Reflects major stories of world art and literature through two centuries of English language publications. Includes novels, short stories (including folk tales) and picture books. Readings will be placed in historical, cultural and literary contexts, with emphasis in techniques of writing and publishing, as well as pedagogical philosophies. Course attributes: CCA.
Prerequisite: None

CCCA 209 Contemporary American Poetry and The Times 3 cr

Covers American Poetry from the 1950s to the present and focuses on how American poetry reflected the cultural and political life in the United States from 1956 into the next millennium. Areas covered will be; poetry's connection with the other arts (particularly music and the visual arts), poetry and politics, poetry and race, and the resurgence of the oral tradition. Students will compose their own poems in order to better understand the creative process. Course attributes: CCA.
Prerequisite: None

CORE COMPUTING TECHNOLOGY (CCCL)

CCCL 100 Computing and Communication 3 cr

Prepares students to use a computer as a tool for communicating in the information age. Topics include a computer overview, file management, web pages and the Internet, Office Suite applications software include Word, Excel, PowerPoint and Access. Course attributes: CCL.
Prerequisite: None

CORE HUMAN HERITAGE (CCHH)

CCHH 101 Utopian Visions Fact and Fiction 3 cr

Involves a study of Utopian visions of the past and present, both real and imaginary, and connects these visions to four major American protest movements. Incorporates sources ranging from the Declaration of Independence to the songs of Bob Dylan. Course attributes: CHH.
Prerequisite: None

CCHH 210 American Women Regionalist Writers 3 cr

Studies the texts of mid-to-late 19th century women regional writers in their historical, political and social contexts. Students will read extensively in both primary and secondary texts of the period to heighten their understanding of how it is that literary history is both shaped and understood, as well as how these particular women writers resisted the then mainstream prescription for an American literary project. Course attributes: CHH, WMST.
Prerequisite: None

CCHH 221 Divine Witness 3 cr

Explores the history of revelations as a fundamental way of knowing. Reviews important moments in history when divine witness played a part in shaping civilizations or altering the prevailing sense of reality. Features readings from a variety of texts drawn from many spiritual and esoteric traditions. Course attributes: CHH.
Prerequisite: None

CCHH 223 The Great Depression 3 cr

Examines the historical, sociological, philosophical, literary and other aspects of the great American depression of the 1930s. Examines the cause and effect of change and persistence during a time of national crisis. Readings are first-hand accounts, documentaries, narratives and exploratory fiction. Course attributes: CHH.
Prerequisite: None



CORE SELF AND SOCIETY (CCSS)

CCSS 101 Contemporary Issues in Society 3 cr

Identifies and analyzes significant social issues from one's own cultural context to gain a broader perspective of contemporary society. Explores four themes of understanding ourselves and our social context - people's origins, the socialization process, difference and inequality, and global connectedness. Examines these themes through multiple social science perspectives. Course attributes: CSS. Prerequisite: None

CCSS 102 Snapshots of Society 3 cr

Compares theories about human origins and their place in the world. Explores the relationship between ourselves as individuals and the broader society. Examines how social forces shape our existence as selves of a particular race, gender and class. Identifies key institutions and investigates the dynamics of power. Course attributes: CSS. Prerequisite: None

CCSS 202 World Regions and the New Global Order 3 cr

Studies the economic, political, cultural and physical characteristics of the major regions of the world and the countries within them; discusses how these regions and countries relate and interact at the international level. Course attributes: CSS. Prerequisite: None

CCSS 210 Landscapes of Human Activities 3 cr

Provides an understanding of the fundamental identifying traits of a culture; the economic, social, and political systems and institutions societies erect; the cultural landscapes they create; and the impacts societies have on natural systems. Course attributes: CSS, ENVI. Prerequisite: None

CCSS 260 Schools, the Law and Society 3 cr

Enables students to explore legislation and judicial decisions affecting school policies. Covers separation of church and state, controversial curricula and rights and responsibilities of students and teachers. Compares America with other cultures regarding equal access to education. Course attributes: CSS. Prerequisite: 100-level Self & Society course

CCSS 264 Mathematics of Fairness and Equity 3 cr

Stresses the connection between contemporary mathematics and modern society by identifying important social problems and conflicts and applying quantitative methods to solve these problems or resolve conflicts. Utilizes the notion of "enlightened citizenry," when students acquire broad knowledge of social problems and are able to apply quantitative methods to make personal judgements and decisions, as well as challenge our basic assumptions regarding a social setting. Course attributes: CRCU, CSS, SOCI. Prerequisite: None

CCSS 264H Honors: Mathematics of Fairness and Equity 3 cr

Stresses the connections between contemporary mathematics and modern society by identifying important social problems and conflicts and applying quantitative methods to solve these problems or resolve conflicts. Utilizes the notion of "enlightened" citizenry," when students acquire broad knowledge of social problems and are able to apply quantitative methods to make personal judgements and decisions, as well as challenge our basic assumptions regarding a social setting. Course attributes: CRCU, CSS, HONR, SOCI. Prerequisite: None

CCSS 268 Culture and the Body 3 cr

Examines the body as a universal experience, a historical and cultural creation, and an ethical issue with policy implications. Explores our understanding of the foundations of our treatment of the body, the relationship between socialization and body image, how bodily difference has been used as a basis for inequality, and the impact of globalization on the circulation of body images and the exploitation of bodies. Considers ways in which harmful practices have been challenged and modified. Course attributes: CRCU, CSS, SOCI, WMST. Prerequisite: None

CCSS 269 Education and Society 3 cr

Studies the role of education as an institution in our society, the world and their lives. Through the use of a wide variety of sources, students will become aware of the people and the historical events that played a role in the development of educational practices and issues, and will be able to compare the myths to the realities of this major institution. Course attributes: CSS. Prerequisite: 100-level Self & Society course

CCSS 275 Aging and Society 3 cr

Examines societal aging from historical, psychological, and sociological perspectives. Analyzes changes in norms, roles, values and attitudes concerning old people due to compositional changes in the population. Economic and ideological factors that influence the development of social policies will be discussed. Course attributes: CSS. Prerequisite: None



CORE SCIENCE AND TECHNOLOGY (CCST)

CCST 101 Basic Concepts in Physics and Chemistry 3 cr

Examines the major developments in physics and chemistry from a historical context as a foundation for understanding future development in the sciences. Evaluates current scientific results in an informed manner. Intended for non-science majors, course concepts will be applied to contemporary issues. Course attributes: CST.

Prerequisite: None

CCST 102 A Case Study Approach to Science 3 cr

Introduces students to the use of the scientific method in various scientific settings. Using the case study method, students will cover a diverse range of topics which may include such topics as: the effects of radiation on biological systems, cancer and waste water treatment. Course attributes: CST.

Prerequisite: None

CCST 103 Quarks to Quasars 3 cr

Develops the student's understanding of the physical universe, from the smallest constituents of matter to the most distant, energetic structures known. The student will come to know how the scientific method guides us as we seek new knowledge. Conservation laws, the relationship between energy and matter, the need for mathematics and the inexorable links between the various branches of science will be considered. Course attributes: CST.

Prerequisite: None

CCST 104 How Things Work 3 cr

Examines basic everyday objects such as microwave ovens, eyeglasses, Xerox machines and CD players, and learn how they work. In order to facilitate understanding of the workings of modern objects, the course will cover basic concepts in physical science, including force and motion, thermodynamics, electricity and magnetism and light. Course attributes: CST.

Prerequisite: None

CCST 105 The Chemistry of CSI 3 cr

Illustrates the intricate role that chemistry plays in solving crimes through the introduction and understanding of basic chemical principles. Forensic techniques such as fingerprint analysis, fiber identification, drug identification and DNA profiling will be introduced. Case studies and "CSI" episodes will be used to explore the scientific foundation for the examination of physical, chemical and biological evidence. This course is intended for non-science majors. Course attributes: CST.

Prerequisite: None

CCST 105H Honors: The Chemistry of CSI 3 cr

Illustrates the intricate role that chemistry plays in solving crimes through the introduction and understanding of basic chemical principles. Forensic techniques such as fingerprint analysis, fiber identification, drug identification and DNA profiling will be introduced. Case studies and "CSI" episodes will be used to explore the scientific foundations for the examination of physical, chemical, and biological evidence. This course is intended for non-science majors.

Course attributes: CST, HONR.

Prerequisite: None

CCST 230 Energy and the Environment 4 cr

Looks at the impact of current energy usage on our environment from technical, social and political viewpoints. Investigates the present and projected usage of nonrenewable fuel sources and how modifications due to alternate energy techniques will affect current energy policy. Discusses possible large-scale alternate energy methods. Investigates the scientific aspects of such topics as global warming and ozone depletion. Required laboratory.

Course attributes: CSTL, ENVI.

Prerequisite: None

CHEMISTRY (CHEM)

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. Course attributes: CSTL, ENVI.

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. Course attributes: CSTL, ENVI.

Prerequisite: CHEM 150

CHEM 201 Organic Chemistry I 4 cr

Studies the structure, properties and synthesis of organic compound and the mechanisms of their reactions. Topics include bonding, molecular orbitals, stereochemistry, resonance, acid-based chemistry, nomenclature, infrared spectroscopy, conformational analysis and substitution and elimination reactions.

Required laboratory.

Prerequisite: CHEM 152



CHEM 202 Organic Chemistry II 4 cr

Builds on the concepts introduced in CHEM 201 by studying the reactivity of other classes of compounds including aromatic, unsaturated, alcohols, ethers, carbonyl derivatives and nitrogen-containing compounds. Nuclear magnetic resonance (NMR) will be studied. Basic total synthesis will be covered throughout the semester as new reactions are introduced. Required laboratory. Prerequisite: CHEM 201

CHEM 250 Inorganic Chemistry 3 cr

Explores the structures, properties and chemical reactivity of the elements and of many compounds. This course builds upon the principles that have been introduced in general chemistry and will enhance understanding of atomic structure and bonding models, periodic trends and molecular symmetry, including molecular orbitals. These concepts are directly applicable to organic and biochemistry and environmental science. Prerequisite: CHEM 152

CHEM 301 Physical Chemistry I 3 cr

Studies the concepts and methods of classical thermodynamics and their application to chemical systems including: chemical reactions, phase changes, solubility, equilibrium, kinetics and electrochemistry. Prerequisite: CHEM 152, MATH 320

CHEM 302 Physical Chemistry II 3 cr

Develops the mathematical and conceptual foundations of quantum mechanics. Includes applications of quantum theory to atomic and molecular spectroscopy. Group theory will be introduced and then applied to atomic and molecular structure and motion, rotational, vibrational and electronic spectra. Prerequisite: CHEM 301 Coreq: CHEM 401

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 electro-chemistry. Required laboratory. Prerequisite: CHEM 152

CHEM 380 Drug Chemistry 3 cr

Explores the chemistry of drug design, synthesis and action. The methods used to design potential new drug molecules will be discussed as well as how they are either isolated from natural sources or created in the laboratory. Prerequisite: CHEM 202, CHEM 250

CHEM 395 Special Topics in Chemistry**1 to 4 cr**

Covers current topics in chemistry including: bioinorganic chemistry, bioorganic chemistry, forensic chemistry and physical chemistry. Depending on the topic, laboratory exercises could be conducted as part of the course content. This course does not require an independent project.

Prerequisite: Junior/senior status or department approval

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 301 Coreq: CHEM 302

CHEM 405 Advanced Synthetic Chemistry 3 cr

Introduces the student to a variety of advanced methods in the synthesis and characterization of organic and inorganic compounds. A wide range of compounds will be synthesized, including organic compounds, bioinorganic compounds, transition-metal complexes, and coordination compounds.

Prerequisite: CHEM 202, CHEM 310

CHEM 410 Instrumental Methods in Chemistry 3 cr

Explores the role of instruments in chemical research. The theory and hands-on experience of a variety of analytical instruments will be covered. These include: ultraviolet, visible, fluorescence and infrared spectroscopic instrumentation as well as high pressure liquid chromatography (HPLC) and gas chromatography (GC). This course is laboratory-based with minimal lecture.

Prerequisite: CHEM 310

CHEM 420 Special Topics in Chemistry 1 to 4 cr

Covers current topics in chemistry including: bioinorganic chemistry, bioinorganic chemistry, forensic chemistry and physical chemistry. Depending on the topic, laboratory exercises could be conducted as part of the course content. This course requires an independent project.

Prerequisite: Junior/senior status or department approval

CHEM 440 Advanced Organic Chemistry 3 cr

Provides the student with a deeper understanding of some of the concepts and reactions that are discussed in CHEM 201 and CHEM 202. The course also introduces new reactions such as the Aldol, Claisen Rearrangement and Ene reactions. The role of these reactions in the total synthesis of natural products is also explored. Current topics in organic chemistry will be discussed.

Prerequisite: CHEM 202

CHEM 490 Chemistry Seminar 1 cr

Presents current topics in chemistry. Primary literature articles will be assigned and discussed in class. Enrolled students will present topics of their choice. Attendance at academic lectures at other colleges/universities is possible.

Prerequisite: Senior status



CHEM 500 Independent Study in Chemistry **1 to 3 cr**

For chemistry majors who wish to conduct an independent project on a specific topic in chemistry. The project will be supervised by a faculty member. The course requires a final scholarly report detailing the finding of the project. This course may be taken more than once for lengthy projects.

Prerequisite: Junior/senior status, department approval

CHEM 540 Internship **1 to 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: Junior/senior status, department approval

**COMPUTER SCIENCE
(CSCI)**

CSCI 101 Introduction to Computer Science **3 cr**

Introduces entering computer science majors to various topics used throughout the curriculum. Topics include computer hardware, operating systems, file systems, file types, protocols and networking. Computer science majors and minors only.

Prerequisite: Computer science major or minor or instructor approval Coreq: CSCI 121

CSCI 121 Programming in Java I **3 cr**

Introduces the concepts of program development using the Java programming language. Topics include variables, control structures, arrays, string manipulation and an introduction to object oriented concepts.

Prerequisite: None

CSCI 122 Programming in Java II **3 cr**

Continues the study of object oriented programming and the Java language. Topics include file manipulation, method and class definitions, graphic applications, applets, multimedia, events and interfaces.

Prerequisite: CSCI 121

CSCI 162 Business Information Systems **3 cr**

Provides the student with a basic understanding of information systems. With an increasing need to store, retrieve, analyze and summarize data, information systems play a major role in decision-making, whether it be for a large corporation, a small business or an educational institution. Covers the broad spectrum of information systems issues that are encountered in the world of work including technological and social considerations.

Prerequisite: CCCL 100

CSCI 208 Graphics I **3 cr**

Provides a broad overview of computer graphics. Students will use proprietary and open source software to integrate images and text. The course includes demonstrations, lectures, presentations and hands-on projects. It is expected that students will have access to a digital camera and that students will work with their own images.

Prerequisite: None

CSCI 221 Programming in Java III **3 cr**

Continues the study of object oriented programming and the Java language. This course focuses on the development of graphical user interfaces and animated simulations and games using object oriented programming techniques.

Prerequisite: CSCI 122

CSCI 222 Programming in Java IV **3 cr**

Continues the study of object-oriented programming and the Java language. Topics include advanced data structures, input and output streams and serialization, multithreading, networking and object-oriented design methodology.

Prerequisite: CSCI 221

CSCI 235 Digital Circuit Design **4 cr**

Introduces the fundamental concepts involved in the analysis and design of digital logic circuits. Topics include number systems, Boolean algebra, logic minimization, and combinational and sequential circuits. Students design, implement, test and debug digital systems. Required laboratory.

Prerequisite: None

CSCI 236 Web Development **3 cr**

Emphasizes the client side tools and techniques used to develop web applications. Topics include XHTML, cascading style sheets, file transfer protocol and browser compatibility. The course will also discuss effective web page design considerations, including usability, accessibility and information design.

Prerequisite: None

CSCI 240 Introduction to Robotics **3 cr**

Introduces the student to the field of robotics. Students work in teams to build a small robot and program it to perform various tasks. Additionally, the course will discuss the essential elements of robotic systems, including motors, sensors, physical design and control.

Prerequisite: None

CSCI 243 Database Development **3 cr**

Introduces the design, management and programming of database systems. This course focuses on the design of database systems using the SQL language, and will provide hands-on experience with one or more database management system products. It also examines the role of a database administrator.

Prerequisite: None



CSCI 246 Programming in Visual Basic I **3 cr**

Introduces the concepts of program development using the Visual Basic programming language. Intended for business majors, this course focuses on an introduction to the Visual Basic development environment, simple variables and control structures, and an introduction to object-oriented concepts.

Prerequisite: None

CSCI 247 Introductory Topics in Computing **3 cr**

Provides an understanding of a topic in computing that may be of interest to majors or non-majors. This course introduces a topic that is not currently part of the department curriculum. Depending on the specific topic, students will demonstrate mastery of course content through programs, papers, and/or portfolio development.

Prerequisite: None

CSCI 248 Programming in Visual Basic II **3 cr**

Continues the study of program development using the Visual Basic programming language. Intended for business majors, this course focuses on advanced Visual Basic concepts including structured variables, additional control structures, object creation, code reuse and dynamic storage allocation.

Prerequisite: CSCI 246

CSCI 252 Systems Development **3 cr**

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

Prerequisite: CSCI 162

CSCI 288 Web Page Design **3 cr**

Introduces the study of web page design using contemporary design tools and development environments. Intended for non-computer science majors, the course takes a creative approach to web design that is facilitated by a good working knowledge of technical skills. Course explores theoretical, aesthetic and technical perspectives of effective web page design. Upon completion, students will be able to employ design techniques to create beautiful and highly functional web pages.

Prerequisite: None

CSCI 308 Graphics II **3 cr**

Builds on CSCI 208 and provides a broad overview of 3-D computer graphics. Students will use proprietary and open source software to create and render three-dimensional objects and scenes. The course includes demonstrations, lectures, presentations and many "hands-on" projects.

Prerequisite: CSCI 208

CSCI 318 Computer Organization and Assembly Language **3 cr**

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

Prerequisite: CSCI 235

CSCI 328 Object Oriented Design **3 cr**

Investigates system design using the standard object oriented design methodology. The Unified Modeling Language (UML) is covered extensively, as are the tools and diagrams associated with it. The course incorporates the use of software design tools and applications used in industry.

Prerequisite: CSCI 222

CSCI 330 Programming in C++ **3 cr**

Applies programming concepts to the C++ language. This course is intended for students who have studied another object-oriented programming language for at least two semesters. Topics include C++ syntax, data structures, libraries, graphics and GUI applications.

Prerequisite: CSCI 122

CSCI 336 Advanced Web Development **3 cr**

Continues the study of World Wide Web application development. This course emphasizes both client-side and server-side tools and techniques used to develop web applications, and will include various scripting languages.

Prerequisite: CSCI 236

CSCI 340 Robotics Development **3 cr**

Introduces the student to various development areas associated with robotics. Topics include motors, motor control, sensors, microcontrollers, physical design, basic analog and digital circuit theory, software design, interfacing and artificial intelligence. Students will construct a robot or robotic system and choose to focus on one or more of these areas.

Prerequisite: CSCI 122, or CSCI 235, or CSCI 240, or PHYS 251

CSCI 343 Server-Side Software Development **3 cr**

Focuses on the development of server-side applications with database connectivity. This course merges the concepts learned in Web Development and Database Development to form traditional persistent multi-client systems.

Prerequisite: CSCI 236, CSCI 243



CSCI 347 Intermediate Topics in Computing **3 cr**

Provides in-depth study of a topic introduced in an earlier course. Depending on the specific topic, students will demonstrate mastery of course content through programs, papers and/or portfolio development.

Prerequisite: Department approval

CSCI 402 Networked Systems Administration **3 cr**

Introduces networked systems administration with a specific focus security. The course will provide students with an overview of networked systems security that includes: securing the physical site, securing the network and network resources, securing the workstation and securing data.

Prerequisite: Senior Computer science major or minor or INTC minor or instructor approval or BADM with BIS concentration

CSCI 408 Graphics III **3 cr**

Explores the history of CG animation and produces an animation short using a 3-D graphics program. Students will build on their skills developed in CSCI 208 and CSCI 308 and, working in teams, develop, refine and build a computer generated short animation.

Prerequisite: CSCI 308

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 computer science faculty will coordinate, counsel and evaluate students enrolled in the course.

Prerequisite: Department approval

CSCI 447 Advanced Topics in Computing **3 cr**

Provides advanced study of a topic introduced in an earlier course. Depending on the specific topic, students will demonstrate mastery of course content through programs, papers and/or portfolio development.

Prerequisite: Department approval

CSCI 452 N-Tiered Software Development I **3 cr**

Integrates the various skills and concepts introduced in the curriculum. This is the first course of a two-semester culminating sequence. The course focuses on the components and design of small and medium multi-tiered software systems. Students work mostly individually and are required to deliver both oral and written presentations.

Prerequisite: CSCI 343, CSCI 328

CSCI 453 N-Tiered Software Development II **3 cr**

Integrates the various skills and concepts introduced in the curriculum. This is the second course of a two-semester culminating experience. The course focuses on the design, implementation, and maintenance of large multi-tiered software systems. Students work mostly in teams and are required to deliver both oral and written presentations.

Prerequisite: CSCI 452

CSCI 461 Senior Project I **1 cr**

Prepares senior computer science majors for their final projects and life beyond graduation. In addition to writing and presenting proposals for senior projects, students prepare portfolios and resumes. Course topics include various writing styles, presentation techniques and networking and communication skills. Students choose a faculty advisor and begin work on the senior project during this semester.

Prerequisite: CSCI 328, CSCI 343

CSCI 462 Senior Project II **1 cr**

Provides students with a final and substantial project. Students work with a faculty advisor to complete the senior project started in senior seminar. Projects are presented during a public senior project day at the end of the semester.

Prerequisite: CSCI 461

CSCI 500 Independent Study **1 to 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 computer science faculty sponsor.

Prerequisite: Junior/senior status, department approval

CSCI 540 Internship in Computer Science **3 to 12 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 222, or junior/senior status, or department approval

ECONOMICS (ECON)

ECON 141 Macroeconomics **3 cr**

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

Prerequisite: None



ECON 142 Microeconomics 3 cr
 Deals with individual economic units, consumers and firms. Topic areas which are covered extensively are demand, elasticity and cost theories. The theory of wages and its application to labor markets are also discussed. An analytical study of market structure - perfect competition, monopolistic competition, oligopoly and monopoly - is emphasized.
 Prerequisite: None

ECON 216 Statistics for Economics and Business 3 cr
 Introduces descriptive statistics, including graphical and numerical presentation of data. Uses probability distribution as an aid to analyze business and economic problems; application of regression models and hypothesis testing in the decision-making process. Use of computers in solving problems is emphasized.
 Prerequisite: Completion of Tier I Quantitative Reasoning requirement

ECON 290 Sophomore Special Topics 3 cr
 Introduces students to various topics of emerging importance in economics. Examines one or more current issues in depth.
 Prerequisite: Sophomore status

ECON 315 Environmental Economics 3 cr
 Introduces students to the economic analysis of the conflict between our lifestyle of unlimited wants and the scarce resources of our biological environment. Examines economic theory and applications to explain the dynamics of conflict. Uses an economic approach to solving environmental problems; students will research, analyze and report on environmental public policy issues.
 Prerequisite: ENVI 150 or ENVI 152 or ECON 141 or ECON 142 and junior status

ECON 340 Money, Banking and Global Financial Markets 3 cr
 Investigates the financial systems of the U.S., European Union and emerging economies. Emphasizes how economic institutions reflect the diversity of world cultures, including major financial institutions, monetary theory, interest rates and the structure and role of the Federal Reserve. Issues include economic, social, political and cultural integration of industrialized vs. Third World countries.
 Prerequisite: Completion of Tier II Self & Society

ECON 343 Managerial Economics 3 cr
 Studies the application of economic theory to decision-making problems in the private and public sectors, including both explicit and implicit constraints imposed by the environment on the decision-maker. Systematic development of the theory of the interaction of consumers, firms and industries; a study of market structure, conduct and performance; and capital budgeting.
 Prerequisite: ECON 142

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

ECON 377 Economics of Culture and Tourism 3 cr
 Considers the economic aspects of cultural and other events and activities on local communities and geographic regions, especially as they impact tourism and quality of life. Looks at how cultural goods are valued in both economic and cultural terms. Examines the role of culture and tourism in regional economic development. Analyzes current public policy toward cultural venues at federal, state and local levels in the United States and abroad.
 Prerequisite: Junior status, completion of Tier II Self & Society

ECON 490 Special Topics in Economics 3 cr
 Studies 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 status, completion of Tier II Self & Society

ECON 500 Independent Study in Economics 1 to 3 cr
 Open to juniors and seniors who wish to study a topic in depth. Final reports and frequent conferences with advisor are required. Enrollment requires individual application and department approval.
 Prerequisite: Junior status

EDUCATION (EDUC)

EDUC 150 Infant/Toddler Internship 3 cr
 Provides the day care certification student with practical experience needed for Office for Children certification. The intern will complete an individualized learning contract, sponsored and approved by an education department faculty member. The intern will work under close supervision of both the cooperating teacher and department personnel.
 Prerequisite: Department approval



EDUC 151 Preschool Internship 3 cr
Provides the day care certification student with practical experience needed for Office for Children certification. The intern will complete an individualized learning contract, sponsored and approved by an education department faculty member. The intern will work under close supervision of both the cooperating teacher and departmental personnel.
Prerequisite: Department approval

EDUC 200 Foundations of Education 3 cr
Explores important historical and current issues in education. Involves students in critically thinking about the economic, social, political, philosophical and cultural factors that have shaped America's educational system and the individuals and groups within the system.
Prerequisite: Department approval

EDUC 230 Program Development: Infants & Toddlers 3 cr
Examines theory and practice of day care for infants - up to age 3. Age-appropriate activities, program/curriculum development and special issues in day care will be discussed. Working with parents, assessment, individual difference and multicultural appreciation will also be discussed.
Prerequisite: Department approval

EDUC 240 Development of IEPs, IFSPs, and ISPs 3 cr
Students entering the human services field may encounter employment positions that require the ability to design and implement individualized plans. Students will learn the basic process in the development and implementation of three types of individual plans. The student will gain an understanding of their purpose, learn how to write goals and objectives and learn how to implement these plans effectively.
Prerequisite: Department approval

EDUC 302 Assessment and Evaluation 3 cr
Provides participants with a repertoire of assessments for classroom use including formal, informal, formative, summative, authentic and standardized. Participants will also engage in discussions about reporting student progress to parents. Students will learn a process by which to assess themselves in their role as teacher.
Prerequisite: Junior/senior status

EDUC 305 Program Development: 3, 4 and 5 year olds 3 cr
Examines theories and practices of preschool programs. Emphasis placed on building a developmentally appropriate environment. Students will create a portfolio of curriculum materials. Issues such as professional development, parent-teacher relationships, assessment and evaluation, and children's transition to kindergarten will also be discussed. Preschool internships to be taken simultaneously. Students will complete an action research project.
Prerequisite: Department approval

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

EDUC 324 Teaching Math/Science K-8 3 cr
Supports the preservice and inservice teacher in planning for the teaching and learning of science and mathematics in the K-8 classroom. Major concepts, curriculum theory and instructional strategies appropriate to math and science education are explored in a hands-on workshop format. Current topics, issues and movements in science and math education are examined.
Prerequisite: Department approval

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 and middle schools is examined through recent science education research materials.
Prerequisite: Department approval

EDUC 336 Reading in the Content Area 3 cr
Examines effective strategies to support middle school and secondary students' ability to use language to learn. In addition to reading and writing text, alternative modes of demonstrating learning will be explored. Technology will be included through online assignments. Reflection and professional growth are concurrent goals.
Prerequisite: Department approval

EDUC 338 Reading and Language Arts (ECHE/ELEM) 3 cr
Emphasizes an integrated, constructivist approach to teaching the language arts based on cognitive, psycholinguistic and sociolinguistic theories about how children learn language. Teaching strategies are introduced that help children learn to communicate effectively using listening, talking, reading and writing. Organizational patterns of instruction that emphasize literature, theme cycles and workshop approaches are explored.
Prerequisite: Department approval



EDUC 340 Field Placement I 2 cr
 Acquaints each student with the contemporary setting of public schools. In this pre-practicum, students will be expected to be in a classroom for 48 hours. This will be the first experience in the schools for each education student. The on-campus component includes five seminar sessions. Students may be waived from hours in the school setting if appropriate documentation is provided but not from the seminars.
 Prerequisite: CCSS 269 Coreq: EDUC 338 or EDUC 390 or EDUC 421 or EDUC 478

EDUC 341 Field Placement II ECHE/ELEM 2 cr
 Requires that pre-service teachers will assume a broader variety of instructional responsibilities in an early childhood/elementary classroom. Students will be expected to be in a classroom for 48 hours. The on-campus component includes four seminar sessions. Students may be waived from hours in the school setting but not from seminars.
 Prerequisite: CCSS 269, EDUC 340 Coreq: EDUC 409 or EDUC 412

EDUC 342 Field Placement II MDSE/SECE 2 cr
 Requires that pre-service teachers will assume a broader variety of instructional responsibilities in a middle or secondary level classroom. Students will be expected to be in a classroom for 48 hours. The on-campus component includes four seminar sessions. Students will be waived from hours in the school setting if appropriate documentation is provided but not from seminars.
 Prerequisite: CCSS 269, EDUC 340 Coreq: EDUC 414 or EDUC 416

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, department approval

EDUC 375 Coaching Principles 3 cr
 Facilitates an understanding of sport coaching based on the most current thinking regarding principles that appropriately guide coaching behaviors. Involves the study of medical-legal, growth and development, psychosocial, biophysical, training/conditioning, tactical/strategical, organizational/administrative, ethical and professional development aspects of coaching in a variety of competitive sport settings.
 Prerequisite: Sophomore status

EDUC 376 Sport Coaching Practicum 3 cr
 Provides an opportunity for the student to observe and assist a coach. Students will experience a hands-on approach to coaching skills, including participating in emergency care and assisting with planning practices, designing tactics and strategies in

preparation for games. Provides opportunities to learn duties and responsibilities of coaches and athletic directors, rules related to recruiting athletes and other rules and policies related to school athletics. Requires 150 on-site hours.
 Prerequisite: Junior status, PHED 375

EDUC 390 Teaching in an Inclusive ELEM Classroom 3 cr
 Emphasizes the role of the elementary school teacher in identifying, assessing and instructing pupils with special needs in inclusive settings. Attention is given to effective practices that involve instructional adaptations in classroom organization, grouping materials and instruction. Special focus is given to the role of the regular classroom teacher as a member of a multidisciplinary team that assures the success of special needs students through collaborative planning and problem solving.
 Prerequisite: Department approval

EDUC 397 Teaching in an Inclusive MDSE/SECE Classroom 3 cr
 Reviews special education legislation, characteristics of specific disabilities, development of individual educational plans, learning styles and multiple intelligences, adapting and modifying curriculum, and best practices of inclusive education. Provides theory and practice for middle and high school preservice teachers to explore ways to build community in their classrooms and discover the importance of working collaboratively with other professionals.
 Prerequisite: Department approval

EDUC 409 Curriculum Theory and Design for Early Childhood 3 cr
 Plan, develop and assess instructional units designed for understanding. Link designs to state standards and create a continuum of assessment methods. Pre-service teachers will be active learners as they participate in designing developmentally appropriate lessons, units and assessments.
 Prerequisite: Department approval

EDUC 410 Curriculum and Instruction ECHE 3 cr
 Plan, develop and assess instructional units designed for understanding. Link designs to state standards and create a continuum of assessment methods. Pre-service teachers will be active learners as they participate in designing developmentally appropriate lessons, units and assessments. To be taken concurrently with EDUC 411.
 Prerequisite: Department approval

EDUC 412 Curriculum and Instruction ELEM 3 cr
 Plan, develop and assess instructional units designed for understanding. Link designs to state standards and create a continuum of assessment methods. Pre-service teachers will be active learners as they participate in designing developmentally appropriate lessons, units and assessments.
 Prerequisite: Department approval



**EDUC 414 Curriculum and Instruction
MDSC 3 cr**

Plan, develop and assess instructional units designed for understanding. Link designs to state standards and create a continuum of assessment methods. Pre-service teachers will be active learners as they participate in designing developmentally appropriate lessons, units and assessments.

Prerequisite: Department approval

**EDUC 416 Curriculum and Instruction
SECE 3 cr**

Plan, develop and assess instructional units designed for understanding. Link designs to state standards and create a continuum of assessment methods. Pre-service teachers will be active learners as they participate in designing developmentally appropriate lessons, units and assessments.

Prerequisite: Department approval

**EDUC 420 Teaching Strategies ECHE/
ELEM 3 cr**

Examines the dynamics of the physical, psychological, social, cultural and personal elements of the early childhood and elementary classroom. Using the paradigm of multicultural education, multiple techniques for establishing classroom atmosphere and relationships will be explored.

Prerequisite: Department approval

**EDUC 422 Teaching Strategies MDSC/
SECE 3 cr**

Using the paradigm of multicultural education, multiple techniques for establishing classroom atmosphere and relationships will be explored. Examines the dynamics of physical, psychological, social, cultural and personal elements of the classroom. Emphasis is placed on developing personal responsibility.

Prerequisite: Department approval

**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: Department approval

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, department approval

**EDUC 478 Teaching in an Inclusive ECHE
Classroom 3 cr**

Studies basic and special needs of preschool and young school age children. Examines mainstreaming, inclusion group composition, group tolerance of deviant behavior, physical and mental handicaps, emotional disturbances and learning disabilities. Examines various teaching strategies for children with differences and also examines procedures for screening, core evaluations and development of IEPs.

Prerequisite: Department approval

EDUC 500 Independent Study 1 to 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

EDUC 540 Education Internship 3 to 15 cr

Interning in a public or private organization or agency such as higher education, hospital, recreational or elderly centers will occur. Completion of an individualized learning contract sponsored and approved by an education department faculty member. Internship may involve, but is not limited to, education-related tasks such as training, organizational development, computer-based learning and human resource development.

Prerequisite: Junior/senior status, department approval

**EDUC 550 Practicum-Student Teaching
Preschool 3 cr**

Provides the culminating pre-K to K field experience for teacher licensure. Students spend five days per week in a preschool classroom for approximately one third of the semester and the remainder of the semester in a grade 1 or 2 classroom. In the role of classroom teacher, the practicum student works with individual children, teaches both small and large group lessons, plans and implements several units of instruction, and carries out a variety of other responsibilities.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 560, EDUC 561

**EDUC 560 Practicum Student Teaching
ECHE 6 cr**

Provides the culminating field experience for teacher licensure. Students spend five full days per week in a school classroom for approximately two thirds of the semester. In the role of classroom teacher, the practicum student works with individual children, teaches both small and large group lessons, plans and implements several units of instruction, and carries out a variety of other responsibilities.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 550, EDUC 561



EDUC 561 Student Teaching Seminar

ECHE 3 cr

While engaged in the practicum semester, student teachers have a need to be reflective of this experience. Under the guidance of an experienced Massachusetts College of Liberal Arts mentor, this seminar provides students with opportunities to share and to reflect on their efforts to successfully merge theory and practice. The seminar will require students to conduct action research in their classes.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 550, EDUC 560

EDUC 570 Practicum Student Teaching

ELEM 9 cr

Provides the culminating field experience for teacher licensure. Students spend five full days per week in a school classroom. In the role of classroom teacher, the practicum student works with individual children, teaches both small and large group lessons, plans and implements several units of instruction, and carries out a variety of other responsibilities.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 571

EDUC 571 Student Teaching Seminar

ELEM 3 cr

While engaged in the practicum semester, student teachers have a need to be reflective of this experience. Under the guidance of an experienced Massachusetts College of Liberal Arts mentor, this seminar provides students with opportunities to share and to reflect on their efforts to successfully merge theory and practice. The seminar will require students to conduct action research in their classes.

Prerequisite: Department approval, passing scores in all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 570

EDUC 575 Student Teaching Half Practicum ELEM

1 to 9 cr

Provides the culminating field experience for teacher licensure. Students spend five half days per week in a school classroom. In the role of classroom teacher, they work with individual children, teach both small and large group lessons, plan and implement several units of instruction. This half-practicum is designed to be used on very rare occasions when a student needs to do a practicum over a two-semester period of time. Students will register for 4 credits one semester and for 5 credits the second semester.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 571

EDUC 580 Practicum Student Teaching

MDSE 9 cr

Provides the culminating field experience for teacher licensure. Students spend five full days per week in a school classroom. In

the role of classroom teacher, the practicum student works with individual children, teaches both small and large group lessons, plans and implements several units of instruction, and carries out a variety of other responsibilities.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 581

EDUC 581 Student Teaching Seminar

MDSE 3 cr

While engaged in the practicum semester, student teachers have a need to be reflective of this experience. Under the guidance of an experienced Massachusetts College of Liberal Arts mentor, this seminar provides students with opportunities to share and to reflect on their efforts to successfully merge theory and practice. The seminar will require students to conduct action and research in their classes.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 580

EDUC 585 Student Teaching Half Practicum MDSE

1 to 9 cr

Provides the culminating field experience for teacher licensure. Students spend five half days per week in a school classroom. In the role of classroom teacher, they work with individual children, teach both small and large group lessons, plan and implement several units of instruction. This half-practicum is designed to be used on very rare occasions when a student needs to do a practicum over a two-semester period of time. Students will register for 4 credits one semester and for 5 credits the second semester.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 581

EDUC 590 Practicum Student Teaching

SECE 9 cr

Provides the culminating field experience for teacher licensure. Students spend five full days per week in a school classroom. In the role of classroom teacher, the practicum student works with individual children, teaches both small and large group lessons, plans and implements several units of instruction, and carries out a variety of other responsibilities.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 591

EDUC 591 Student Teaching Seminar

SECE 3 cr

While engaged in the practicum semester, student teachers have a need to be reflective of this experience. Under the guidance of a Massachusetts College of Liberal Arts mentor, this seminar provides students with opportunities to share and to reflect on their efforts to successfully merge theory and practice. The seminar will require students to conduct action research in their classes.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 590



EDUC 595 Student Teaching Half Practicum SECE **1 to 9 cr**

Provides the culminating field experience for teacher licensure. Students spend five half days per week in a school classroom. In the role of classroom teacher, they work with individual children, teach both small and large group lessons, plan and implement several units of instruction. This half-practicum is designed to be used on very rare occasions when a student needs to do a practicum over a two-semester period of time. Students will register for 4 credits one semester and for 5 credits the second semester. Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses Coreq: EDUC 591

**ENGLISH/
COMMUNICATIONS
(ENGL)**

ENGL 100 College Writing I **3 cr**

Explores the writing process, providing practical strategies and techniques. Emphasis is on constructing texts with attention to various levels of organization and development. Prerequisite: None

ENGL 150 College Writing II **3 cr**

Reinforces college-level reading, writing and revision skills. Emphasis is placed on rhetorical stance, textual analysis and linguistic integrity. Course attributes: CWR. Prerequisite: ENGL 100 or placement

ENGL 202 The Personal Essay **3 cr**

Explores personal essays from the classical era to the present. Uses a workshop format where students write a variety of personal essays, choosing from among meditation, confession, letter, memoir, portrait, prose poem, reportage and humor. Prerequisite: None

ENGL 204 Media, Self-Identity and Society **3 cr**

Introduces the concept of self-identity, examining it within the contexts of gender, sexuality, health and ethnicity across media and society. Using interdisciplinary approaches, this cultural studies course focuses upon themes which explore myths about identity through analyzing meanings in media and social/cultural texts; how these originate in and across history, to become part of everyday's common sense discourse. Course attributes: CSS. Prerequisite: ENGL 150

ENGL 205 Introduction to Black and White Photography **3 cr**

Introduces students to 35 mm black and white photographic and darkroom techniques. Includes various forms of composition including photo-journalism. Students are expected to provide a manual 35 mm camera, photographic paper and film. Prerequisite: None

ENGL 208 Experiments in Creative Writing **3 cr**

Experiments with various approaches to creative writing by focusing on questions of originality and creativity in language. Stresses the exploratory and playful approaches both to language itself and, more importantly, to the production of meaning in language which opens avenues to effective creative writing. Prerequisite: None

ENGL 210 Essentials of Film **3 cr**

Focuses on film interpretation by emphasizing elements such as light, sound, composition, camera movement, acting, and direction. Initiates students into developments in film history, film genre and film theory. Course attributes: CCA. Prerequisite: None

ENGL 211 Introduction to Mass Media **3 cr**

Surveys various media, stressing their historical evolution and the technological and socio-cultural forces that shape them. Includes newspapers, magazines, film, radio and television. Prerequisite: None

ENGL 212 Radio Production **3 cr**

Explores radio production values and possibilities. Includes basic news coverage, scripting, preproduction planning, interviewing, and audiotape editing and mixing. Prerequisite: None

ENGL 214 Basic Television Production and Broadcasting **3 cr**

Examines how television production employs verbal and visual communication. Includes experience with principles, theory, and the practice of television production and broadcasting in the studio. Requires work on individual and crew projects. Prerequisite: None

ENGL 221 Literary Journalism **3 cr**

Surveys the rich literature of creative nonfiction. Students read and analyze the work of several contemporary literary journalists-such as John McPhee, Annie Dillard, Gretel Ehrlich and Joseph Mitchell, as well as a sampling of historical authors, such as Daniel DeFoe and Henry David Thoreau. Students identify themes and techniques of literary journalists and how these are similar to or different from fiction writers. They also have an opportunity to practice writing short pieces in this genre. Prerequisite: None



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

ENGL 239 Writing and Reporting the News I 3 cr
 Teaches basic principles and skills involved in news reporting and writing. These include interviewing, identification of news values, formal and informal research, story organization, lead writing, transitions, attributions, and grammar and style, including application of the AP Stylebook and Libel Manual. Students develop their skills by writing several practice stories. They are invited to contribute stories to The Beacon, the weekly newspaper of MCLA.
 Prerequisite: None

ENGL 250 Introduction to Literature 3 cr
 Seeks to develop each student's ability to understand and respond to a variety of literary texts by repeated practice in textual explication through discussion and written work. While most readings will be drawn from poetry, drama and prose fiction, the course will also embrace, where appropriate, texts drawn from mass media. (English/communications majors may not take ENGL 250 to fulfill their Creative Arts Core Curriculum requirement). Course attributes: CCA.
 Prerequisite: None

ENGL 265 Literary Theme 3 cr
 Utilizes both primary and secondary literary and historical sources to explore ways in which a selected theme continually reappears in literature. Texts are examined, interpreted and evaluated within historical contexts; critical and comparative approaches are used to draw conclusions regarding content and context. The specific theme to be examined will vary and will be identified by subtitle. Course attributes: CHH.
 Prerequisite: None

ENGL 270 Literary Genre 3 cr
 Examines the question of how an author's choice of a single literary mode, genre, or type affects the meanings of a text. May focus on plays, short stories, song lyrics, comedy, romance, novels, myths, or other genres. The specific genre to be examined will vary and will be identified by subtitle. Course attributes: CCA.
 Prerequisite: None

ENGL 300 Creative Writing: Fiction 3 cr
 Focuses on the craft of fiction and the student's own short stories. Literary works are analyzed for writing techniques, but the emphasis of the course is on constructive criticism of the student's work by peers and by the instructor and on exercises to help develop imagination and skill.
 Prerequisite: None

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 peers and by the instructor.
 Prerequisite: None

ENGL 302 Creative Writing: Scripts 3 cr
 Pursues the craft of scripting, focusing on the student's own writing of television, film, theatre, or slide/tape scripts. Published works are analyzed for writing techniques, but the emphasis of the course is on constructive criticism of student work by peers and by the instructor and on exercises that help to develop imagination and visual literacy in the creation of dialogue, characters and action.
 Prerequisite: None

ENGL 303 Writing Prose 3 cr
 Gives students who have completed their foundational studies additional practice and instruction in writing nonfiction prose. Explores the adaptation of such prose to specific contexts. Individual courses may focus on prose writing in a particular discourse community (e.g., business, science and technology, education), which will be identified by subtitle.
 Prerequisite: None

ENGL 304 Creative Writing: Playwriting 3 cr
 Develops and exercises story-telling abilities through the writing of dramatic works for the stage. Students will explore the Aristotelian elements of classical drama as well as the unities of time, place and action. Through activities designed to improve skills used to create these elements and through close textual analyses of successful models, students will work toward the goal of writing individual producible one-act plays.
 Prerequisite: None

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 239 or department approval

ENGL 306 Business Writing and Presentation 3 cr
 Provides practice in writing strong, clear, and creative business communications.
 Prerequisite: Junior status or department approval



ENGL 308 Writing Associate Workshop
3 cr

Offers students who desire to work as writing associates both individual and group instruction in ways to respond to student writing. Serves as a forum for discussion of topics relating to being a writing associate at MCLA.

Prerequisite: ENGL 150, permission of instructor

ENGL 309 Technical Writing **3 cr**

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

Prerequisite: Department approval

ENGL 312 Radio Practicum **1 to 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: None

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

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

Prerequisite: ENGL 214

ENGL 315 Constructing the Short Film
3 cr

Acquaints students with the various aspects of the film production process through the use of videotape. This course gives students an understanding of the kinds of decisions filmmakers encounter and the kinds of techniques they employ. Activities include preparing detailed shooting scripts, experiments with photography, light, color, motion, sound and editing, and manipulating both live action and animated materials. Individually or in small groups, students will produce a 10-15 minute film.

Prerequisite: None

ENGL 316 Broadcast Delivery **3 cr**

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

Prerequisite: None

ENGL 318 The Popular Arts as Business
3 cr

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

Prerequisite: ENGL 211 or department approval

ENGL 319 Global Issues in Communication
3 cr

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

Prerequisite: ENGL 211

ENGL 321 News Editing Practicum
1 to 6 cr

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

Prerequisite: ENGL 339 or department approval

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

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

Prerequisite: None

ENGL 324 Broadcast Journalism **3 cr**

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

Prerequisite: ENGL 239, ENGL 214, instructor approval

ENGL 328 Issues in Journalism **3 cr**

Discusses issues and problems central to the practice of journalism and the role of the media in the democratic society. Issues may include environmental journalism; media, law and ethics; investigative reporting; government, politics and the press; covering popular culture and others. Students may be required to produce journalism articles and/or commentaries based on those or related issues.

Prerequisite: None



ENGL 331 The Story of English 3 cr
 Explores the history and development of the English language from the Anglo Saxon to its current evolution as a world language. Traces the growth of the language in historical, cultural and literary contexts, using diverse texts and films, with special emphasis on varieties of English spoken and written in the New World. Students research special topics.
 Prerequisite: ENGL 250 or department approval

ENGL 337 Advanced Photography 3 cr
 Builds upon skills learned in Introduction to Black and White Photography, to include sophisticated camera techniques and advanced darkroom developing and procedures. Students are encouraged to develop various forms of composition such as photography for science, art or publication. Some consideration will be given to digital photography and related procedures.
 Prerequisite: ENGL 205

ENGL 338 Photojournalism 3 cr
 Concentrates on photojournalism as a form of composition. Designed to help students to understand and master a number of techniques such as story-telling and photo editing. The subject of ethics will also be covered, as will digital camera applications. Students will be encouraged to submit work to The Beacon for consideration.
 Prerequisite: ENGL 205

ENGL 339 Writing and Reporting News II 3 cr
 Offers writing and reporting experience through the writing of advanced news stories and features. These include covering campus community meetings, reporting on police, fire and safety news and concerns, dealing with local courts and investigative level-two reporting. Students expand their knowledge of ethics, libel, privacy and freedom of information laws. Students may submit stories to The Beacon.
 Prerequisite: ENGL 239 or permission of instructor

ENGL 340 Literature and Society 3 cr
 Discusses and analyzes a variety of literary works that illuminate social issues. Integrates literature with other disciplines by focusing on several contemporary themes of social relevance.
 Prerequisite: ENGL 250

ENGL 349 Critical Reading 3 cr
 Explores different ways of reading a text. Students use diverse critical methods to consider the distinct understandings of a text produced by different reading methods. Examines connections between developments in critical theory and parallel developments in philosophy, art and film criticism and social theory. A variety of critical methods will be examined.
 Prerequisite: ENGL 250 or department approval

ENGL 351 William Shakespeare 3 cr
 Considers such works as the Sonnets, *Midsummer Night's Dream*, *Measure for Measure* and *The Tempest*.
 Prerequisite: ENGL 250 or department approval

ENGL 353 Hawthorne and Melville 3 cr
 Studies the chief works of Nathaniel Hawthorne and Herman Melville with particular attention to their innovations in American letters. Includes such works as *Typee*, *Moby-Dick*, *Billy Budd*, *The Scarlet Letter*, and *The Tanglewood Tales*.
 Prerequisite: ENGL 250 or department approval

ENGL 356 James Joyce 3 cr
 Considers works such as *Ulysses*, *Finnegan's Wake* and *Dubliners*.
 Prerequisite: ENGL 250 or department approval

ENGL 357 Virginia Woolf 3 cr
 Studies novels and essays through which Woolf experimented with ways that writing creates different types of meanings and experiences. Course attributes: WMST.
 Prerequisite: ENGL 250 or department approval

ENGL 359 Toni Morrison 3 cr
 Considers works by Toni Morrison, the Nobel-Prize winning novelist. Readings from such works as *Sula*, *Beloved*, etc.
 Course attributes: WMST.
 Prerequisite: ENGL 250 or department approval

ENGL 361 John Steinbeck 3 cr
 Considers the vision of the Nobel Prize-winning author of *The Red Pony*, *Of Mice and Men* and *Travels with Charley*. Examines texts drawn from throughout Steinbeck's career, with special attention to the common themes, preoccupations and narrative devices which characterize his works. Readings will be drawn from such works as *Cannery Row*, *The Grapes of Wrath* and *The Winter of Our Discontent*.
 Prerequisite: ENGL 250 or department approval

ENGL 362 Marianne Moore and Elizabeth Bishop 3 cr
 Studies the poems of the eminent American poets, Marianne Moore and Elizabeth Bishop, exploring the means of production of American poetry; cross influences among poets in the modern age; poetic spirituality and established religion; and, most importantly, what it has meant to be a woman and a poet in this century. Course attributes: WMST.
 Prerequisite: ENGL250 or department approval

ENGL 365 Reading the Graphic Novel 3 cr
 Explores the graphic novel and related forms. Examines the meaning of the proliferation of this literary form as well as the perceptual mechanisms and processes involved in reading image.
 Prerequisite: ENGL 250 or department approval

**ENGL 366 The Age of Chaucer 3 cr**

Studies the works of the late middle ages in England. It will include such issues as courtly love, the practice of allegory, the role of dream visions in literature, and the relation of medieval religious-social order and literature. Includes such writers as Chaucer, Malory, the Pearl Poet. The course may at times also include selections from Old English texts, notably Beowulf or Dream of the Rood and from later Arthurian legends.

Prerequisite: ENGL 250 or department approval

ENGL 368 The Age of Milton 3 cr

Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Samson Agonistes," and "Paradise Lost".

Prerequisite: ENGL 250 or department approval

ENGL 368H Honors: The Age of Milton**3 cr**

Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Sampson Agonistes," and "Paradise Lost". Course attributes: HONR.

Prerequisite: ENGL 250 or department approval

ENGL 370 The Romantic Movement 3 cr

Studies one of the most pervasive and important social, intellectual and literary movements of the modern age. The course will examine the varied roots of Romanticism and then follow various threads of the movement as they develop, diverge and are revived. The course will also consider the relation between important terms such as "enlightenment," "romance," "reality" and "imagination." Students will pursue the links between the romantic impulse and both modern thought and postmodernism.

Prerequisite: Instructor approval

ENGL 371 The American Renaissance**3 cr**

Surveys texts from such authors as Emerson, Dickinson, Thoreau, Alcott, Fuller, Melville, Hawthorne, Whitman, Douglas. Course attributes: ENVI.

Prerequisite: ENGL 250 or department approval

ENGL 372 Arts of Medieval and Renaissance Britain 3 cr

Explores medieval and Renaissance British literature, history and culture. The course includes a spring break travel component. During travel students contextualize literature with the cultural heritage experienced via visual arts architecture, music, theatre, dance, fashion, food, and landscapes and cityscapes of Britain. Prerequisite: ENGL 250, sophomore status, instructor approval (Students pay travel fee)

ENGL 372H Honors: Arts of Medieval and Renaissance Britain 3 cr

Explores medieval and Renaissance British literature, history and culture. The course includes a spring break travel component. During travel, students contextualize literature with the cultural heritage experienced via the visual arts, architecture, music, theatre, dance, fashion, food, and landscapes and cityscapes of Britain. Course attributes: HONR.

Prerequisite: ENGL 250, sophomore status, instructor approval (Students pay travel fee)

ENGL 374 Literature and the Environment**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. Course attributes: ENVI.

Prerequisite: ENGL 250 or department approval

ENGL 375 Civil War in Literature and Film 3 cr

Considers texts which focus on the American Civil War for thematic and generic purposes.

Prerequisite: ENGL 250 or department approval

ENGL 377 Novel in Context 3 cr

Examines the genre of the novel written in English, setting it in historical and cultural context. Traces the development of the novel, locating in even its earliest examples characteristic methods and concerns. Explores the prose narratives and epistolary writing of the 17th century as influential predecessors of the novel genre, progressing from that base to studying key examples of novels from the 18th century through the present.

Prerequisite: ENGL 250

ENGL 378 Sports Literature 3 cr

Studies how works of fiction, poetry, journalism, biography and cinema are set in the context of sports and the sporting experience. Explores how these texts define, comment on and shape the sports context.

Prerequisite: ENGL 250 or department approval

ENGL 379 Science, Literature, Gender**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.

Prerequisite: ENGL 250 or department approval



ENGL 381 African American Literature

3 cr

Surveys texts drawn from such writers as Hughes, Dubois, Wright, Morrison, Giovanni, Reed, Douglas, etc. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 388 Whitman and the New World

Poets

3 cr

Explores the ground-breaking work of Walt Whitman and other New World poets (Williams, Hughes, Sandburg, Roethke, Ginsberg, Brooks, and Neruda). Analysis will focus on what makes these poets essential and definably American - expressive in form and content of the New World experience. Students will read widely in collected works. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 384 Native American Literature

3 cr

Surveys a range of texts drawn from such writers as Silko, Erdrich, Momaday, Black Elk, Vizenor, Welch and Apes. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 385 Irish American Literature

3 cr

Surveys a range of texts drawn from Irish-American authors. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 386 Jewish American Literature

3 cr

Surveys a range of texts drawn from such authors as Bellow, Roth, Ozick, Gluck, Malamud, Ginsberg and Elkins. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 387 Latino/a American Literature

3 cr

Studies texts focusing on the Latino/a experience in the United States. Considers the history of immigration, assimilation, resistance and bi-lingualism which have marked writers placing their vision within the frame of Latino/a history; it will pay particular attention to how such texts set forth a Latino/a experience as both part of and as also distinct from other cultural strands in the United States. Includes such writers as Villareal, Rodriguez, Perez-Firmat, Zamora, Alvares Islas, and Pena. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 389 Contemporary American Literature:

3 cr

Surveys representative literary texts from the margins and boundaries of the American experience. Concentrates on famil-

iarizing students with issues, questions and motifs that recur in works which diagnose ongoing conflicts in the American temper. Readings are drawn from both the margins and mainstream of American literary traditions and all eras. Content identified by subtitle. Course attributes: CRCU.

Prerequisite: ENGL250 or department approval

ENGL 390 Asian American Literature

3 cr

Examines the literature of some of the diverse groups that make up Asian America, from early immigrant to contemporary times. The course will address how Asian American writers find resources for identity and where they see identity questioned or undermined. Students will also explore the lines of continuity among texts and writers as well as examine the various styles and visions used by this varied group of writers. Includes such writers as Chin, Hagedorn, Hwang, Kingston, Law-Yone, Lee, Mukherjee, Okada, Santos, Song, Tan and Yamamoto. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 391 Italian American Literature

3 cr

Follows a course of readings from novels and stories by and about Italian Americans, especially those dealing with the immigrant experience. Explores the cross-cultural dilemmas faced by those who found themselves in a new world where old identities were challenged. Students will be invited to discover the many ways in which our nation has been enriched by the values and initiatives of people whose roots were Italian. Literary strategies illuminating this process will be analyzed along with the psychological history of resistance and assimilation that made up the drama of Americanization. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 395 Experiential Credit Portfolio

Preparation and Writing

3 cr

Provides students with help in completing a portfolio of experiential credit. Includes a rigorous essay-writing component.

Prerequisite: Approval of the Advising Center in consultation with the appropriate department(s)

ENGL 396 Public Relations

3 cr

Introduces students to the broad career area of public relations. Principles, cases and problems of public relations will be studied through contact with local organizations. Topic areas include internal communications systems, applications of mass communications, researching public opinions and social responsibilities. Prerequisite: ENGL 239 or ENGL 211 or department approval

ENGL 397 Special Topics in Film

3 cr

Studies in-depth a specific issue in film and filmmaking linked by one or more common contexts, such as genre and subject matter, or historical, social, economic, philosophical or aesthetic concerns. Students will practice using evidence from those contexts



to produce close, critical readings of films that reflect both an understanding of the context and an understanding of the visual and auditory languages of film. Content identified by subtitle.
Prerequisite: ENGL 210 or instructor approval

ENGL 400 Intercultural Communication

3 cr

Studies in depth the role culture plays in the communication process in various world cultures including African, Asian and Central American. Examines the cultural differences in language, thought patterns and non-verbal communication behaviors.
Course attributes: CRCU.

Prerequisite: Junior/senior status

ENGL 412 Filmmakers and Filmmaking

3 cr

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

ENGL 427 Senior News Editing Practicum

3 to 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, instructor approval

ENGL 430 Advanced Poetry Workshop

3 cr

Focuses on the work of the individuals in the workshop. The work of established poets is analyzed for method and craft. Weekly writing assignments are critiqued by the class and the instructor for rewriting. There is a final portfolio of 12 to 15 poems.

Prerequisite: ENGL 301 or department approval

ENGL 435 Advanced Fiction Workshop

3 cr

Focuses on creating finished short stories. As in ENGL 300, the major emphasis is on constructive criticism of student work by peers and by the instructor.

Prerequisite: ENGL 300 or department approval

ENGL 441 Special Topics in Literature

3 cr

Studies in depth a specific aspect of literature. Designed to provide advanced work in literary analysis, interpretation and research. Primarily for majors in the junior and senior year. Content identified by subtitle.

Prerequisite: Junior/senior status or department approval

ENGL 451 British Literary Survey 3 cr

Explores the landmark texts in British literature. Readings may include Beowulf and works by Chaucer, Shakespeare, Milton, Johnson, Wordsworth, Austen, Dickens, Woolf or Joyce.

Prerequisite: ENGL 250 or department approval

ENGL 461 American Literary Survey

3 cr

Explores the landmark texts in the traditions of American literature. Readings may be drawn from the Puritan and Colonial periods and from such writers as Emerson, Thoreau, Poe, Melville, Dickinson, Twain, James, Pound, Hughes, Eliot, Faulkner, Porter, Ellison and Walker.

Prerequisite: ENGL 250 or department approval

ENGL 471 World Literary Survey 3 cr

Explores myths, epics and other important texts from around the world that have served as repositories of the values of their respective cultures. Also examines more recent texts that stand as efforts to shift those cultural values. Texts studied may include such Greek, Hebrew, Western African, Japanese, Mayan and Islamic texts such as The Odyssey, The Bible, The Epic of Son Jara, The Tale of Genji, Popul Vuh and The Koran. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 481 Special Topics in Mass Communication 3 cr

Studies in depth a specific aspect of mass communications. Designed to provide advanced work in media analysis, interpretation and research. Primarily for majors in the junior and senior year. Content identified by subtitle.

Prerequisite: Junior/senior status or instructor approval

ENGL 490 Senior Seminar 3 cr

Provides a capstone course in which majors meet in their final undergraduate year to explore a significant theme or topic. Students integrate what they have learned about language, literature and media, and together the students, pooling their special knowledge in these areas, respond to the specific theme, concept or topic.

Prerequisite: ENGL majors only or department approval

ENGL 493 Teaching Assistant in English/Communications 1 to 6 cr

Assists the instructor with the organization, implementation and assessment of individual English/Communications courses.

Prerequisite: Department approval

ENGL 500 Independent Study 1 to 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



ENGL 540 Internship in English

1 to 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/senior standing, department approval

ENVIRONMENTAL STUDIES (ENVI)

ENVI 150 Introduction to Environmental Systems 4 cr

Provides a foundation in the physical, chemical and biological principles of environmental science in order to explore Earth's terrestrial, aquatic and atmospheric systems. Directly investigates freshwater and forest environments of the northeast in the context of the scientific method. Required laboratory. Course attributes: CSTL, ENVI.

Prerequisite: None

ENVI 150H Honors: Introduction to Environmental Systems 4 cr

Provides an interdisciplinary foundation in the physical, chemical and biological principles of environmental science in order to explore earth's terrestrial, aquatic and atmospheric systems. Historical case studies illustrate political and ethical dimensions of environmental issues. Lab exercises familiarize you with the forest and freshwater environments of the northeast and how the scientific method is used to analyze and understand the relation between humans and the natural environment. Required laboratory. Course attributes: CSTL, ENVI, HONR.

Prerequisite: None

ENVI 152 Environmental Resources: Science and Management 4 cr

Provides a foundation in the nature and properties of natural resources in the context of sustainable environmental management. Students directly investigate and assess alternative energy options, watershed water-quality management and wastewater management using the scientific method. Required laboratory. Course attributes: CSTL, ENVI.

Prerequisite: None

ENVI 152H Honors: Environmental Resources: Science and Management 4 cr

Provides a foundation in the nature and properties of natural resources in the context of sustainable environmental management. Student directly investigate and assess alternative energy options, watershed water-quality management and wastewater management using the scientific method. Required laboratory. Course attributes: CSTL, ENVI, HONR.

Prerequisite: None

ENVI 250 Special Topics in Environmental Studies 3 cr

Focuses attention on a special environmental topic or issue at an introductory level of investigation. Course attributes: ENVI.

Prerequisite: Sophomore status or instructor approval

ENVI 260 Green Living Seminars and Workshops 1 to 2 cr

Utilizes the format of individual reports and/or group discussions of current papers, topics or problems in environmental studies.

May also be organized around a seminar series with invited speakers. This course will be graded on a pass/fail basis. Course attributes: ENVI.

Prerequisite: None

ENVI 310 Politics and Environmental Policy 3 cr

Focuses on political science and government in national, regional and international organizations throughout the world. topics include: United Nations, state and local government, politics and economics of the Pacific Rim. Course attributes: ENVI.

Prerequisite: Junior/senior status

ENVI 315 Environmental Economics 3 cr

Introduces students to the economic analysis of the conflict between our lifestyle of unlimited wants and the scarce resources of our biological environment. Examines economic theory and applications to explain the dynamics of conflict. Uses an economic approach to solving environmental problems; students will research, analyze, and report on environmental public policy issues. Course attributes: ENVI.

Prerequisite: ENVI 150 or ENVI 152 or ECON 141 or ECON 142 and junior status

ENVI 320 Methods in Environmental Research 4 cr

Investigates the methods used by environmental researchers to formulate research problems, collect and analyze data and present results professionally; examines sampling techniques, field procedures, and limitations of equipment and research design. Required laboratory. Course attributes: ENVI.

Prerequisite: ENVI 150, ENVI 152, Tier I Quantitative Reasoning, junior status

ENVI 325 Geographic Information Systems 3 cr

Geographic Information Systems/Science is rapidly becoming the optimum approach for displaying and analyzing both spatial and temporal data in virtually every field. Through a series of "on the job" projects, students will learn the concepts, terminology and computer skills necessary to apply these skills to a variety of subject and occupational areas. Students will complete a final project, report and presentation using GIS in their area of interest. Course attributes: ENVI.

Prerequisite: Tier I Computing Technology/Problem Solving



ENVI 340 Environmental Law 3 cr
Studies the development of an American consciousness toward the environment throughout our nation's history, emphasizing the political, economic and social forces at work in the consequent creation of United States environmental law. This law will then be considered in detail through the examination of federal, state and local environmental protection legislation, regulations and related court decisions. Course attributes: ENVI.
Prerequisite: Junior status

ENVI 340H Honors: Environmental Law 3 cr
Studies the development of American consciousness toward the environment throughout our nation's history, emphasizing the political, economic and social forces at work in the consequent creation of United States environmental law. This law will then be considered in detail through the examination of federal, state and local environmental protection legislation, regulations and related court decisions. Course attributes: ENVI, HONR.
Prerequisite: Junior status

ENVI 350 Advanced Special Topics in Environmental Studies 1 to 4 cr
Focuses attention on a special environmental topic or issue at an advanced level of study. Course attributes: ENVI.
Prerequisite: Junior status or instructor approval

ENVI 351 Ornithology 4 cr
Provides an overview of the fundamental principles of avian biology with emphasis on ecological and behavioral aspects of ornithology. Students will learn to identify about 100 regional species by sight and/or sound. A semester-long project will encourage students to investigate and read the ornithological peer-reviewed scientific literature. Lab activities will include field trips to practice identifying birds and collecting avian field data. Required laboratory. Course attributes: ENVI.
Prerequisite: BIOL 100 or BIOL 150 or ENVI 150 or ENVI 150H or instructor permission

ENVI 401 Independent Research 1 to 3 cr
For environmental studies majors who desire to conduct research on a specific topic in environmental studies. The research will be under the supervision and direction of the instructor and will require a scholarly report. Course attributes: ENVI.
Prerequisite: Department approval

ENVI 425 Advanced Geographic Information Systems (GIS) 3 cr
Builds on ENVI 325, providing opportunities for conceptualizing and solving spatial/temporal problems within the student's primary field of study. Complex spatial analysis, quantitative methods, process model building and the substantial use of remotely sensed data will be key elements of this course. Topics will also include geo-coding, mapping ethics and 3-D map visualization. Course attributes: ENVI.
Prerequisite: ENVI 325

ENVI 499 Teaching Assistantship in Environmental Studies 1 to 3 cr
Provides the opportunity for the student to assist in the preparation and implementation of an environmental studies course. This course will be graded on a pass/fail basis. Course attributes: ENVI.
Prerequisite: Department approval

ENVI 500 Independent Study 1 to 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. Course attributes: ENVI.
Prerequisite: Junior/senior status, department approval

ENVI 540 Internship in Environmental Studies 1 to 15 cr
Offers the environmental studies major an opportunity to practice 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. Course attributes: ENVI.
Prerequisite: Junior/senior status, departmental approval

FINE AND PERFORMING ARTS (FPA)

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

FPA 201 Dance II 3 cr
Uses basic skills from Dance I to bring dance technique to a higher level of sophistication. Phrasing will be longer and contain more complex energy and level changes. Students will explore the use of mixed meter as musical accompaniment. Continues to use improvisation and choreography as a vehicle to develop movement inclinations and as a way of sharing movement experiences with each other.
Prerequisite: FPA 200

FPA 202 Topics in Dance 3 cr
Studies specific aspects of dance. Provides advanced work in technique, history and interpretation. Course offerings may include but are not limited to: ethnic dance, tap, jazz, ballet, modern, lyrical.
Prerequisite: None

FPA 500 Supervised Independent Study 1 to 3 cr
Open to juniors and seniors who wish to read in a specific area or pursue a project or topic in depth under the direction of a faculty member. Frequent conferences with the advisor are required.
Prerequisite: Junior/senior status, department approval



FPA 501 Senior Project 3 cr
A directed study exploring how the arts are interdisciplinary. Seniors must present a final project in the context of its time, taking into account the artistic influences and social values that relate to the artist, performer, theatrical play or musical creation.
Prerequisite: Senior FPA major

FPA 540 Internship in Fine and Performing Arts 1 to 15 cr
An opportunity to work in an arts-related job. Work situations might include: a position in a theatre company; collections management or educational outreach employment in a museum; assisting in the management of a community music ensemble or a school music program; work with development, publicity, programming, and publication for an arts council, gallery, or other arts business. Only 3 credits can be applied to FPA major requirements.
Prerequisite: FPA junior/senior status, department approval

FRENCH (FREN)

FREN 101 Elementary French I 3 cr
Introduces spoken and written French, emphasizing comprehension and communication. Classroom time devoted primarily to listening and speaking, with some reading. Vocabulary presented and illustrated in meaningful contexts. Lab assignments provide practice in writing as well as additional opportunities to hear and read French. First half of a one-year course; intended for those who have no prior experience with French. Conducted in French.
Prerequisite: None

FREN 102 Elementary French II 3 cr
Improves fundamental skills of understanding, speaking, reading and writing French. Students will increase their command of the standard topics of French grammar. Short readings will enhance understanding and appreciation of French-speaking cultures and provide topics of conversation. Second half of a one-year course. Conducted in French. Course attributes: CLA.
Prerequisite: FREN 101 or department approval

FREN 201 Intermediate French I 3 cr
Reviews first-year college French (or high-school equivalent) with a view toward building competence and confidence in students who have been exposed to the basics of the language. Exploration of selected themes in the modern French-speaking world, as well as intensive exercises in the oral and written language. Readings, discussions and brief essays on topics related to French culture. Conducted in French.
Prerequisite: FREN 102 or equivalent

FREN 202 Intermediate French II 3 cr
Presents a selection of French literary works and cultivates skills necessary to read and discuss them with understanding and appreciation. Reviews and expands grammar and vocabulary. Provides opportunities to learn and apply fundamentals of literary analysis and criticism. Readings include the major genres and represent a range of French-speaking countries.
Prerequisite: FREN 201 or department approval

FREN 390 Special Topics in Francophone Studies 3 cr
Studies a specific aspect of the French language and/or a particular Francophone culture in depth. Designed to provide advanced work in selected areas of study. Course topic is identified by subtitle and may include areas such as French society and culture, Francophone groups outside of France, French linguistics and Francophone literature or film. Taught in French unless otherwise noted. May be repeated for credit with a change in topic.
Prerequisite: FREN 201 or department approval

GEOGRAPHY (GEOG)

GEOG 120 World Regional Geography 3 cr
Focuses on the geographic nature of the forces changing the world including political, demographic, economic, cultural and environmental processes and the interlinked dependencies between unique parts of the world.
Prerequisite: None

GEOG 130 Human Geography 3 cr
Takes a spatial systematic approach to such elements as cultural diffusion; migration flows; acculturation, population and resource distribution; agricultural and industrial production; core and peripheral societies; race, class and gender issues; folk and popular culture; world religions, spatial interaction, communication, transportation and environmental degradation.
Prerequisite: None

GEOG 135 Travel and 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 151 Introduction to Physical Geography 4 cr
Studies the natural environment from the geographical perspective. Analyzes the distribution and character of the environmental elements, including weather, climate, landforms, soils and veg-



etation. Examines consequences of human intervention in natural systems. Required laboratory. Course attributes: CSTL, ENVI. Prerequisite: None

GEOG 152 Introduction to Physical Geology 4 cr

Studies the earth, including the origin and type of earth materials, volcanism and crystal deformation, external earth processes and development of landscapes, geological resources, and geological processes as natural hazards. Required laboratory. Course attributes: CSTL, ENVI. Prerequisite: None

GEOG 245 Natural Hazards 4 cr

Studies natural processes which are hazardous in the context of human activities, including relevant geologic, geomorphic, climatic and meteorologic phenomena; examines the origin and significance of selected hazards from natural and human perspectives and explores how people underestimate or misjudge risk. Required laboratory. Course attributes: CSTL, ENVI. Prerequisite: None

GEOG 270 Weather and Climate 3 cr

Examines general meteorologic and climatic characteristics through space and time, especially as influenced by temperature, wind and moisture. Explains atmospheric disturbances at planetary, regional and local scales. Course attributes: CST, ENVI. 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. Course attributes: CST, ENVI. 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 Topics in Physical Geography 3 cr

Analyzes and evaluates selected contemporary problems in physical geography with an emphasis on environmental issues. Concentrates on feedback between the physical environment and human activity. Topics include: environmental geology, geography and the environment. Course attributes: ENVI. Prerequisite: GEOG 151 or GEOG 152 or GEOG 120 or GEOG 130

GEOG 320 Tourism Planning and Development 3 cr

Examines the elements, agents, context and processes of tourist development; evaluates tourist resources and analyzes the impact of tourist development. Students will have the opportunity to

meet with local leaders and practitioners in the field of tourism and will get a broad overview of the problems and prospects of tourism in the Berkshires. Prerequisite: None

GEOG 325 Canada: The Land & 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 & Monuments 3 cr

Studies the topography, geology, climate, flora, fauna and scenic qualities of national parks and monuments by describing the history of the national park system and factors threatening its existence. Prerequisite: None

GEOG 350 Cartography 3 cr

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

GEOG 360 Environmental Geology 3 cr

Studies geological processes as natural hazards and analyzes geological response to human use of the land. Evaluates geological resources and the legal and geological limitations of resource utilization. Prerequisite: GEOG 151 or GEOG 152 and junior/senior status

GEOG 370 River Systems 3 cr

Studies streams as environmentally significant landscape features in the context of human activity; examines hydrology and flooding, channelization flood plains and their land use patterns, water contamination, and related ecology. Course attributes: ENVI. Prerequisite: None

GEOG 380 Aerial Photography and Remote Sensing 4 cr

Develops skills in interpretive use of vertical aerial photography and other forms of remote sensing to analyze topography, geology, vegetation, soils and cultural features. Required laboratory. Prerequisite: Junior/senior status, and either a) GEOG 151 or GEOG 152, or b) GEOG 271 or c) ENVI 150

GEOG 500 Independent Study 1 to 3 cr

Independent effort directed to the in-depth study of some aspect of regional or systematic geography. Prerequisite: Department approval



HISTORY (HIST)

HIST 103 Pre-Modern World Civilization 3 cr

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

Prerequisite: None

HIST 104 Modern World Civilization 3 cr

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

Course attributes: CHH.

Prerequisite: None

HIST 106 Latin American Civilization 3 cr

Provides an explanation of the societies that emerged from the blendings of native, European, African and Asian peoples in the region now known as Latin America. Rather than an historical chronology, emphasis is on themes such as ethnicity, family, religion, politics, arts and economics. Course attributes: CHH, CRUC, SOCI.

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 203 American History I 3 cr

Focuses on the development of American political, economic, social, philosophical and cultural values and institutions from Colonial beginnings up to 1877. Sufficient emphasis will be placed on the Massachusetts and federal constitutions to meet the state requirement. Course attributes: CHH.

Prerequisite: None

HIST 204 American History II 3 cr

Focuses on the development of American political, economic, social, philosophical and cultural values and institutions from 1877 to the present. Sufficient emphasis will be placed on the Massachusetts and Federal constitutions to meet the state requirement. Course attributes: CHH.

Prerequisite: None

HIST 205 Historiography 3 cr

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

Prerequisite: HIST 200

HIST 206 Local History Methods 3 cr

Explores the history and methodology of local history in the United States. Intended to provide students with opportunities to become familiar with the sources used in studying local history. Students also will gain practical experience in conducting local history research.

Prerequisite: HIST 200

HIST 303 African American History 1607-Present 3 cr

Focuses on the historical importance of the history of Africans in American society from 1607 until the present, with emphasis on gender and class. Course attributes: CRUC, SOCI.

Prerequisite: Junior/senior status

HIST 304 Social History of North Adams 3 cr

Examines the ethnic and class history of North Adams and Northern Berkshire, starting with the second half of the 19th century. Investigates the industrial development of the community, the experience of the Depression and the growth of Sprague Electric Company as the dominate employer. Concludes by reviewing the post-industrial changes in the area, the establishment of MASS MoCA and the prospects for the future.

Prerequisite: HIST 203 or HIST 204 or SOCI 100

HIST 305 Topics in European History 3 cr

Focuses on either the histories of particular European nations or a chronological period, issue or theme in European history. Emphasis will be placed on a comprehensive understanding of the subject matter as well as developing skills in reading historical sources, research, writing and oral communication. Possible topics include: Europe in the 20th century; History of Britain; History of Russia; History of France; Ancient Greece & Rome.

Prerequisite: Junior/senior status

HIST 310 Topics in Asian History 3 cr

Focuses on either the histories of particular Asian nations or a chronological period, issue or theme in Asian history. Emphasis will be placed on a comprehensive understanding of the subject matter, as well as developing skills in reading historical sources, research, writing and oral communication. Possible topics include: History of Japan; History of India; Chinese Culture and Civilization; and the United States and China. Course attributes: CRUC, SOCI.

Prerequisite: Junior/senior status



HIST 315 Topics in American Studies
3 cr

Studies areas and concepts in United States history and politics. Students will gain a more advanced, interdisciplinary, in-depth understanding of United States history, politics, values and economics. Topics include: The City in American Life; A History of New England; United States Diplomatic History; American Values; Women in American History; America and the Sea; Politics of Prejudice; The Cold War; Environmental History.

Prerequisite: Junior/senior status

HIST 320 Topics in United States History
3 cr

Focuses on a chronological period, issue, or theme in the history of the United States. Emphasis will be placed on a comprehensive understanding of the subject matter, as well as developing skills in reading historical sources, research, writing and oral communication. Possible topics include: The Civil War; Immigration and Ethnicity; The Civil Rights Movement; US & WWII; New England History.

Prerequisite: Junior/senior status

HIST 330 Topics in Latin American History
3 cr

Focuses on either the histories of particular nations or a chronological period, issue or theme in Latin American history. Emphasis will be placed on a comprehensive understanding of the subject matter, as well as developing skills in reading historical sources, research, writing and oral communication. Possible topics include: The United States and Latin America; History of Mexico. Course attributes: CRCU, SOCI.

Prerequisite: Junior/senior status

HIST 331 History of Canada
3 cr

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

Prerequisite: Junior/senior status

HIST 340 Topics in the Middle East and Muslim World
3 cr

Focuses on either the histories of particular nations in the Middle East or a chronological period, issue, or theme in the Muslim World. Emphasis will be placed on a comprehensive understanding of the subject matter as well as developing skills in reading historical sources, research, writing and oral communication.

Possible topics include: The Middle East & the Modern World; The Muslim World. Course attributes: CRCU, SOCI.

Prerequisite: Junior/senior status

HIST 350 Topics in African History
3 cr

Focuses on either the histories of particular African nations or a chronological period, issue or theme in African history. Emphasis will be placed on a comprehensive understanding of the subject matter as well as developing skills in reading historical sources, research, writing, and oral communication. Possible topics include: History of Africa; African History in Literature and Film.

Course attributes: CRCU, SOCI.

Prerequisite: Junior/senior status

HIST 401 Seminar in Historical Periods
3 cr

Examines a particular era in depth. The course will be based around reading and discussion of a variety of historical works with the instructor selecting course materials and methods appropriate to the subject. Emphasis will be placed on analysis, critical thinking and historiography, in addition to mastery of subject matter. Central to the course will be a major research project, with findings presented in both written work and an oral presentation.

Prerequisite: HIST 200, HIST 205, junior/senior status or instructor approval

HIST 403 Seminar in Issues in History
3 cr

Examines in depth a particular issue, concept, topic or theme in history. The course will be based around reading and discussion of a variety of historical works with the instructor selecting course materials and methods appropriate to the subject. Emphasis will be placed on analysis, critical thinking and historiography, in addition to mastery of subject matter. Central to the course will be a major research project, with findings presented in both a written work and an oral presentation.

Prerequisite: HIST 200, HIST 205, junior/senior status or instructor approval

HIST 405 Senior Thesis
3 cr

The senior thesis is to be taken under the direction of a professor in the department who will work with senior history majors writing a bachelor's thesis on a selected topic in history. Students will choose a topic and present an outline and proposal to any department faculty member or to the entire department sitting as a thesis committee. The purpose of the senior thesis is to give students the opportunity to do individualized, advanced research in an aspect of history in which they have particular interest and capability.

Prerequisite: Senior status or department approval

HIST 500 Independent Study
1 to 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 Assistant 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 to 15 cr

Qualified students may be placed as interns in governmental and social service agencies, museums, etc.

Prerequisite: Junior/senior status and department approval



HONORS (HONR)

HONR 100 The Nature of Human Nature 3 cr

Explores the problematic notion of human nature employing the open-ended question-asking and interdisciplinary discussion which characterizes the Honors Program. The course ranges widely over philosophical, psychological, literary and anthropological texts, as well as works of art, which propose competing definitions for human nature. Students are asked first to understand and then to criticize each perspective in turn and finally to formulate their own understanding of human nature. Course attributes: CHH, HONR.
Prerequisite: None

HONR 102 Topics in Honors 3 cr

Explores designated intellectual topics employing the open-ended and interdisciplinary research and discussion methods which characterize the Honors Program. Provides an opportunity for critical examination at the honors level in various domains. Course attributes: HONR.
Prerequisite: None

HONR 201 Honors Special Topics 3 cr

Undertakes a concentrated study of an interdisciplinary subject to be determined by the honors director in consultation with the Honors Advisory Board. Course attributes: HONR.
Prerequisite: None

HONR 210 Director's Book Course 1 cr

Reading of a single text chosen by students in the Commonwealth Honors Program. The text is discussed and augmented by student presentations on related topics. Includes teamwork with Commonwealth honors students at other campuses, perhaps meeting with the book's author and attending lectures on specific related topics. Course lasts seven weeks. Course attributes: HONR.
Prerequisite: Membership in the Honors Society

HONR 301 Special Topics in Honors 3 cr

Undertakes a concentrated study of an interdisciplinary subject to be determined by the honors director in consultation with the Honors Advisory Board. Course attributes: HONR.
Prerequisite: None

HONR 401 Special Topics in Honors 3 cr

Undertakes a concentrated study of an interdisciplinary subject to be determined by the honors director in consultation with the Honors Advisory Board. Course attributes: HONR.
Prerequisite: None

HONR 500 Independent Study in Honors 1 to 12 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

INTERDISCIPLINARY STUDIES (IDST)

IDST 150 Introduction to Cross-Cultural & Social Justice Studies 3 cr

Opens up a perspective on the history, contemporary experience and cultural diversity of the major ethnic groups/immigrant groups that make up the American Mosaic, while also discussing issues of social justice and inequality. The focus is on the U.S. experience, but the course will also discuss the experience of minority groups in other parts of the world through selected case studies. Course attributes: CHH, CRCU, SOCI.
Prerequisite: None

IDST 220 Science in History 3 cr

Examines western science in historical context, including its relationship to technology and medicine, its institutional basis and its relevance to politics and religion.
Prerequisite: None

IDST 224 Nuclear Age 3 cr

Explores the history of nuclear weapons and nuclear-generated electricity. Considers these technologies from the perspective of national power and security, ethics, diplomacy, technical practicality, safety and environmental consequences. Course attributes: CHH, ENVI.
Prerequisite: None

IDST 299 Topics in Interdisciplinary Studies 3 cr

Introduces students to approaches, methods and themes in interdisciplinary studies. Draws on concepts and approaches from selected academic disciplines (such as sociology, history, political science, psychology, cultural studies) to develop interdisciplinary frameworks for the study of important issues in society, for example: self and identity; gender and society; leadership; relationships and marriage. Course topic identified by subtitle.
Prerequisite: None

IDST 320 Interpretation 3 cr

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



IDST 330 The Idea Of... **3 cr**
 Focuses on a particular idea (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**
 Focuses on a different person of vision (e.g., Galileo, Freud, Marx, Darwin). Exploration of the life, times, and work of the selected person utilizing literature from different disciplines.
 Prerequisite: Junior/senior status

IDST 350 Great Epochs **3 cr**
 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 (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
1 to 3 cr
 Open to junior and senior IDST 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 to 6 cr
 Offers seniors field experience that 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, department approval

ITALIAN (ITAL)

ITAL 101 Elementary Italian I **3 cr**
 Introduces the basics of spoken and written Italian, emphasizing communication and comprehension. Classroom time devoted mainly to speaking and listening with some reading and writing. Vocabulary presented in meaningful contexts. First half of a one-year course; intended for those who have no prior exposure to Italian. Conducted in Italian.
 Prerequisite: None

ITAL 102 Elementary Italian II **3 cr**
 This course is a continuation of Italian 101. Speaking, listening, reading and writing skills are emphasized. Conducted in Italian. Course attributes: CLA.
 Prerequisite: ITAL 101

MATHEMATICS (MATH)

MATH 100 Math for Educators I **3 cr**
 Introduces the concepts of numbers, operations and geometry from an advanced standpoint. Explains the reasons behind the usual formulas and algorithms of arithmetic and geometry. Provides explanations suitable for the various kinds of student learners. Covers the concept of number, addition, subtraction, multiplication, division, area and some fractions.
 Prerequisite: None

MATH 101 Math for Educators II **3 cr**
 Introduces the concepts of elementary mathematics from an advanced standpoint. Explains the reasons behind the usual algorithms and equations. Provides explanations suitable for the various kinds of student learners. Covers decimals, fractions, long-division, similar triangles, ratios, percents, probabilities, word problems, conversions, rational numbers, irrational numbers, exponents, square roots and math history.
 Prerequisite: MATH 100

MATH 102 Mathematics for Liberal Arts
3 cr
 Presents mathematics topics designed to promote mathematical problem solving, reasoning, decision making and communication. Students will develop an understanding of the nature, purposes and accomplishments of mathematics. Topics selected from elementary set theory, logic, number theory, graph theory, voting theory, functions, difference equations and geometry. Course attributes: CMA.
 Prerequisite: None

MATH 150 Precalculus **3 cr**
 Introduces topics necessary for the study of calculus. A detailed study of algebraic, trigonometric, exponential and logarithmic functions and equations, and their applications to modeling real



world problems. Topics are considered from analytical, graphical and numerical points of view. Course attributes: CMA.
Prerequisite: Placement based on SAT scores and high school background

MATH 200 Math for Educators III 3 cr

Introduces the concepts of elementary functions, algebra and statistics from an advanced standpoint. Explains the reasons behind the usual procedures. Provides explanations suitable for the various kinds of student learner. Covers order of operations, variables, introductory algebra, basic statistics, functions, volumes and surface areas.
Prerequisite: MATH 101

MATH 220 Calculus I 3 cr

Examines limits, continuity, the derivative, differentiation of elementary functions, applications of the derivative and an introduction to the anti-derivative. The first of a four-part sequence. Course attributes: CMA.
Prerequisite: MATH 150, placement based on SAT and high school background or department approval

MATH 232 Introduction to Statistics 3 cr

Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major. Course attributes: CMA.
Prerequisite: None

MATH 240 Introduction to Set Theory and Mathematical Logic 3 cr

Introduces quantifiers, truth tables, valid arguments, mathematical systems, types of proofs, mathematical induction, set operations, the algebra of sets, relations, functions and counting arguments.
Prerequisite: MATH 220 or department approval

MATH 250 Discrete Mathematics 3 cr

Provides a foundation in mathematical topics central to the study of computer science, emphasizing mathematical reasoning and algorithms. Topics include propositional logic, Boolean algebra, mathematical proofs and induction, computer arithmetic, elementary combinatorics, recursion, graphs and trees, matrices, and relations, functions, sequences and summation.
Prerequisite: Completion of Tier I Quantitative Reasoning or instructor approval

MATH 261 Linear Algebra 3 cr

Investigates the theory of vector spaces, linear equations, linear transformations, determinants, inner product spaces, eigenvalues and eigenvectors.
Prerequisite: MATH 220, 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 assign-

ment problem and two-person, zero-sum games.
Prerequisite: MATH 261

MATH 286 Topics in Mathematics 3 cr

Examines sophomore level topics in mathematics that complement departmental offerings in mathematics or math competency courses. Emphasis is on the nature of mathematical thought and applications of mathematics.
Prerequisite: Completion of Tier I Quantitative Reasoning or instructor approval

MATH 320 Calculus II 3 cr

Studies anti-derivative, the definite integral, transcendental functions, techniques and applications of integration, an introduction to improper integrals. The second of a four-part sequence.
Prerequisite: MATH 220

MATH 328 Interest Theory 3 cr

Treats topics from the mathematical theory of compound interest. Problems dealing with annuities, amortized schedules, sinking funds and bonds will be analyzed.
Prerequisite: MATH 320

MATH 330 Calculus III 3 cr

Studies infinite series, plane curves, polar coordinates, vectors, vector-valued functions and analytic geometry in three-dimensional space. The third of a four-part sequence.
Prerequisite: MATH 320

MATH 331 Probability Theory 3 cr

Examines probability laws, discrete and continuous random variables and their probability distributions, expectation, moments and moment generating functions, sequences of random variables and Markov chains.
Prerequisite: MATH 330

MATH 332 Statistical Analysis 3 cr

Examines functions of random variables, sampling distribution, limit theorems, estimation, hypotheses testing, linear regression, correlation, analysis of variance and analysis of enumerative data.
Prerequisite: MATH 331

MATH 340 Graph Theory 3 cr

Investigates definitions and examples of graphs, graph isomorphism, paths and circuits, connectivity, trees, planar graphs, Euler's formula, graph coloring, four and five color theorems and applications.
Prerequisite: MATH 240 or MATH 261

MATH 344 Geometry 3 cr

Studies geometries from an advanced standpoint. Some of the topics that may be covered are non-Euclidean geometry, geometry of the complex plane, affine geometry or projective geometry.
Prerequisite: MATH 240



MATH 345 Game Theory **3 cr**
 Introduces game theory terminology, zero-sum, two-person games, minimax theorem, optimal mixed strategies and applications to economics.
 Prerequisite: MATH 261

MATH 360 Number Theory **3 cr**
 Introduces the basic concepts of number theory: the Euclidean algorithm, primes, divisibility theorems, Mersenne and Fermat numbers, linear Diophantine equations, congruences, unique factorization and quadratic reciprocity.
 Prerequisite: MATH 261

MATH 362 Algebraic Structures I **3 cr**
 Introduces the study of algebraic structures with a detailed examination of groups; their properties, isomorphic and homomorphic mappings. Cyclic, symmetric, and quotient groups; groups of permutations and cosets. Normal subgroups. The Fundamental Homomorphism Theory.
 Prerequisite: MATH 261

MATH 372 History of Mathematics **3 cr**
 Examines the historical development of mathematics and its impact from ancient to modern times.
 Prerequisite: MATH 320

MATH 380 Differential Equations **3 cr**
 Examines first- and second-order differential equations with particular emphasis on n th order equations with constant coefficients, differential operators, systems of equations, series solutions, and Laplace transforms.
 Prerequisite: MATH 330 and either CSCI 121 or CSCI 148

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

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 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 486 Special Topics in Mathematics **3 cr**
 Introduces theory that is an extension of various upper-division mathematics courses. Special topics may explore, but are not restricted to: analysis, geometry and theory related to modern technology.
 Prerequisite: To be determined by the instructor

MATH 500 Independent Study
1 to 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 to 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/senior status, department approval

MODERN LANGUAGE (MODL)

MODL 100 Introduction to Language
3 cr
 Investigates the nature of language, its function, history and relationship to other aspects of human physical, social, psychological and cultural development. Covers phonetics, phonemics,



syntax language acquisition, dialects, language change, discourse analysis, nonverbal and animal communication, language in society and other topics.

Prerequisite: None

MODL 101 Elementary Language I: 3 cr

Introduces spoken and written foreign language emphasizing comprehension and communication. Classroom time devoted to speaking and listening, and some reading. Vocabulary presented in meaningful contexts. First half of a one-year course. Intended for those at the absolute beginner level.

Prerequisite: None

MODL 102 Elementary Language II: 3 cr

Strengthens spoken and written foreign language emphasizing comprehension and communication. Classroom time devoted primarily to speaking and listening, and some reading. Vocabulary presented in meaningful contexts. Second half of a one-year course. Course attributes: CLA.

Prerequisite: MODL 101

MODL 495 Teaching Assistantship in Modern Language 3 cr

Gives modern language students the opportunity to aid in the teaching of lower- and upper-division courses. This course will help prepare students who wish to pursue careers in the teaching of foreign languages. This course will be graded on a pass/fail basis.

Prerequisite: Instructor approval, 3 semester hours in MODL

MODL 500 Independent Study 1 to 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

MUSIC (MUSI)

MUSI 159 Fundamentals of Music 3 cr

Develops various ear training skills, including: sight singing, melodic and rhythmic dictation, and an introduction to harmonic dictation. These skills will be developed in conjunction with an introduction to music theory: simple and compound meter, scales, intervals and chords.

Prerequisite: None

MUSI 205 Aural Skills I 3 cr

Introduces techniques of ear training and dictation in a sequential format with melodic sight singing using solfege, scale numbers and note names. The course material will include interval and chord recognition and principals of voice leading.

Prerequisite: None

MUSI 251 Introduction to Music 3 cr

Provides a general historical survey of music and introduces basic music theory. The objective of the course is to help students become conversant in the styles and genres of 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. Course attributes: CCA.

Prerequisite: None

MUSI 252 Piano I 3 cr

Classroom piano instruction for students with little or no musical background or experience. Emphasis on basic piano technique and elementary music theory.

Prerequisite: None

MUSI 253 World Music 3 cr

Compares world music and the study of music in the context of culture. Introduces students to the field of ethnomusicology and explores the folk and classical music of Asia, the Balkans, the Americas, and the wealth of ethnic culture in the North Adams area. Course attributes: CCA, CRUCU, SOCI.

Prerequisite: None

MUSI 256 Guitar I 3 cr

Provides students with a proficiency of basic guitar techniques through study and performance of appropriate repertoire. Assumes no musical background or experience. Guitars provided on loan.

Prerequisite: None

MUSI 258 Private Lessons 1 cr

Studying privately with a professional musician, students will take 10, one-hour instrumental or voice lessons. Through this study they will advance their technique as well as improve their musicianship. Students will study a selection of exercises and repertoire with the studio instructor and will prepare at least one piece for a final evaluation or performance. Course may be repeated for a maximum of 3 credits. Two sections may be taken concurrently on different instruments. Additional fee required.

Prerequisite: Department approval

MUSI 259 Music Theory I 3 cr

Introduces musical notations and modes of analysis in a sequential format beginning with basic staff and note symbols, scale and chord structure, major and minor tonality, etc., and continuing through key signatures, chord function, seventh chords, inversions and harmonic analysis. Mastery of skills is required before admission to the next level (B or better).

Prerequisite: MUSI 159

MUSI 275 Performance Workshop Topic 3 cr

Studies in depth a specific aspect of music performance. Designed to provide advanced work in analysis, interpretation and research. Offerings may include, but are not limited to: Building a Vocal Portfolio, Broadway, Gershwin, Flute Choir, Performing Mozart.

Prerequisite: None

**MUSI 305 Aural Skills II 3 cr**

Continues material presented in MUSI 205. Advanced work in dictation, advanced harmonic progressions and 20th century techniques.

Prerequisite: MUSI 205

MUSI 350 Instrumental Ensembles**1 to 3 cr**

Perform with one or more of the following: The Massachusetts College of Liberal Arts Community Band; The Massachusetts College of Liberal Arts Jazz Band; Chamber Ensembles. These groups perform music from standard and contemporary literature and are intended for experienced instrumentalists.

Prerequisite: None

MUSI 351 Topics in Music History 3 cr

Studies the composition, performance, reception and criticism of music over a specified time period. A historical study of music concerned with a composer's life and works, performance practice, developments of styles and genres, and place of music in society. Offerings may include but are not limited to genre history, period history, composers or specific works.

Prerequisite: MUSI 251

MUSI 352 Piano II 3 cr

Develops keyboard skills. Attention given to chording, sight reading, accompanying, improvising, performance practice and the development of a repertoire.

Prerequisite: MUSI 252 or equivalent

MUSI 356 Guitar II 3 cr

Develops intermediate-level performance skills.

Prerequisite: MUSIC 256 or equivalent

MUSI 357 Vocal Ensembles 1 to 3 cr

Perform with one or both of the following: The Massachusetts College of Liberal Arts Concert Choir; The Massachusetts College of Liberal Arts Chamber Choir; repertoire includes choral literature from all periods.

Prerequisite: None

MUSI 358 Private Lessons 1 cr

Studying privately with a professional musician, students will take 10, one-hour instrumental or voice lessons. Through this study they will advance their technique, as well as improve their musicianship. Students will study a selection of exercises and repertoire with the instructor and will prepare at least two pieces for a final evaluation or performance. Course may be repeated for a maximum of 3 credits. Two sections may be taken concurrently on different instruments. Additional fees required.

Prerequisite: MUSI 258, department approval

MUSI 359 Music Theory II 3 cr

Continues materials presented in MUSI 259. Advanced work in harmonic analysis, secondary dominants, higher tertian chords, dictation and solfeg. Opportunities to improve conducting, performance, and composition skills. Further analysis of form, orchestration and arranging.

Prerequisite: MUSI 259

MUSI 360 Composing with Software 3 cr

Introduces students to compositional techniques and formal components of music composition using music composition software. Students will write several pieces of music and practice exercises to demonstrate the compositional principles under study. The course will include lecture and studio settings.

Prerequisite: MUSI 359

MUSI 369 Form and Analysis 3 cr

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

Prerequisite: MUSI 359

MUSI 410 Orchestration/Arranging 3 cr

Studies the technique of orchestration. Instruments of the orchestra, instrumental colors, preparing the score, adapting music for different mediums. Students will create one large project (arrangement for band or orchestra).

Prerequisite: MUSI 359

MUSI 415 Counterpoint 3 cr

An in-depth study of 18th century counterpoint with an historical approach. Students will write an invention, a trio-sonata and a fugue.

Prerequisite: MUSI 359

MUSI 450 Topics in Music Seminar 3 cr

Provides advanced work in analysis and interpretation and research. Offerings: Improvisation, Composition; Conducting; History of Musical Theatre, Recording.

Prerequisite: MUSI 159

MUSI 458 Private Lessons 1 cr

Studying privately with a professional musician, students will take 10 one-hour, instrumental-voice lessons. Through this study they will advance their technique and improve their musicianship. Students will study a selection of exercises and repertoire with the instructor and will prepare at least two advanced pieces for a final evaluation or recital performance. Course may be repeated for a maximum of 3 credits. Additional fee required.

Prerequisite: MUSI 358, department approval



PHYSICAL EDUCATION (PHED)

PHED 103 Swimming 1 cr

Designed for the non-swimmer wishing to learn to swim and swimmers looking to improve their swimming skills. Swimming as a lifelong health/fitness activity is stressed.

Prerequisite: None

PHED 108 Community First Aid and Safety 1 cr

Provides instruction in basic first aid and CPR for the adult, child and infant. Red Cross certification is provided upon successful completion.

Prerequisite: None

PHED 109 Scuba 2 cr

Introduces the skills of scuba diving. Successful completion of this course leads to certification in NAUI, a worldwide diving organization.

Prerequisite: None

PHED 110 Fundamentals of Tennis 1 cr

1 cr

Instructs students in the fundamentals of tennis and game play.

Prerequisite: None

PHED 113 Fundamentals of Beginning Badminton 1 cr

Provides the opportunity to learn skills and strategy of racket sports, specifically badminton.

Prerequisite: None

PHED 120 Emergency Medical Response 1 cr

1 cr

Provides instruction in professional rescuer CPR, AED, and first aid for the adult, child, and infant. American Red Cross certification is provided upon successful completion.

Prerequisite: None

PHED 125 Fundamentals of Golf 1 cr

Introduces students to the game of golf. Provides basic instruction in a good golf swing and the following: putting, chipping, iron and wood shots.

Prerequisite: None

PHED 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 144 Aikido 1 cr

Focuses on an understanding of the principles of Aikido, a Japanese martial art. Focus is placed upon mastery of the fundamentals of the art to an extent that the student will be able to apply correct stance, falling and rolling techniques, and proper distance during the practice of self-defense.

Prerequisite: None

PHED 146 Self Defense for Women 1 cr

Focuses on awareness and avoidance of a possible attack. Students will learn to punch and kick properly along with basic self defense hands techniques. This is a beginner's course in self-defense. Course attributes: WMST.

Prerequisite: None

PHED 147 Fundamentals of Yoga 1 cr

Teaches the basic Hatha Yoga postures, breathing exercises and relaxation techniques.

Prerequisite: None

PHED 150 Special Topics in Physical Education 1 to 2 cr

Introduces students to a variety of physical education activities. Activities vary according to teaching staff and student needs.

Prerequisite: None

PHED 160 Strength and Conditioning 1 cr

1 cr

Designed for students to learn and practice techniques of conditioning as it relates to sport. Testing and training techniques for strength, power, speed, endurance, flexibility and agility will be emphasized.

Prerequisite: None

PHED 215 Lifetime Wellness 3 cr

Helps students develop a set of health behaviors that constitute what is generally considered to be a high energy lifestyle. These behaviors stress responsibility for one's health. Areas covered are physical fitness, nutrition and weight control, stress management, substance abuse, sexually transmitted disease and chronic disease.

Prerequisite: None

PHED 375 Scientific Foundations of Coaching 3 cr

Facilitates an understanding of sport coaching based on the most current thinking regarding principles related to training basics, energy fitness, muscular fitness, and biomechanics. Students will learn to develop training programs for better sport performance and to ensure the health and safety of athletes.

Prerequisite: EDUC 375



PHED 395 Special Topics in Physical Education **1 to 3 cr**

Explores a specific aspect related to physical education, athletics, coaching or sports medicine. Content identifiable by subtitle.
Prerequisite: Department approval

PHED 500 Independent Study **1 to 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

PHILOSOPHY (PHIL)

PHIL 100 A First Course in Philosophy **3 cr**

Engages students in the critical investigation and reflective analysis of such fundamental philosophical questions as freedom and moral responsibility, the nature of being and knowledge, the existence of God and the problem of evil, and individual rights and social justice. Emphasizes the relevance that philosophy has to contemporary problems and encourages students to think, read, write, and speak critically and thoughtfully. Course attributes: CHH.
Prerequisite: None

PHIL 110 World Religions **3 cr**

Examines basic texts, concepts, presuppositions, and ways of life of several major religious traditions. Drawing on both sacred texts and scholarly analyses, as well as fictional and journalistic accounts, the course aims to understand and assess the meanings of religion in human life. Course attributes: CHH, CRCU, SOCJ.
Prerequisite: None

PHIL 110H Honors: World Religions **3 cr**

Examines basic texts, concepts, presuppositions and ways of life of several major religious traditions. Drawing on both sacred texts and scholarly analyses, as well as fictional and journalistic accounts, the course aims to understand and assess the meanings of religion in human life. Course attributes: CHH, CRCU, HONR, SOCJ.
Prerequisite: None

PHIL 120 Art and Philosophy **3 cr**

Adopts a philosophical approach to the experience, understanding and critical assessment of the products and processes of the creative arts. Our inquiries will center on two traditional questions of aesthetic theory: What is art? What is art's special value? This course will be more theoretical than hands-on, though direct, continued experience in the various creative arts will be encouraged and figure prominently in most discussions and assignments. Course attributes: CCA.
Prerequisite: None

PHIL 120H Honors: Art and Philosophy **3 cr**

Adopts a philosophical approach to the experience, understanding and critical assessment of the products and processes of the creative arts. Our inquiries will center on two traditional questions of aesthetic theory. What is art? What is art's special value? This course will be more theoretical than hands-on, though direct, continued experience in the various creative arts will be encouraged and figure prominently in most discussions and assignments. Course attributes: CCA, HONR.
Prerequisite: None

PHIL 200 Logic and Critical Reasoning **3 cr**

Examines and applies the principles of cogent, sound or critical reasoning and writing, leading to a deeper understanding of language and of the use of logical argumentation. Considers, often in the context of real life arguments and claims, (in the rhetoric of philosophy, history and other disciplines) formal and informal principles of clear and systematic thinking and writing. Course attributes: CHH.
Prerequisite: None

PHIL 200H Honors: Logic and Critical Reasoning **3 cr**

Examines and applies principles of cogent, sound or critical reasoning and writing, leading to a deeper understanding of language and of the use of logical argumentation. Considers, in the context of real-life arguments and claims (in the rhetoric of philosophy, history, and other disciplines) formal and informal principles of clear and systematic thinking and writing. Course attributes: CHH.
Prerequisite: None

PHIL 240 Ancient Philosophy **3 cr**

Explores the ancient roots of western intellectual history, including contributions of non-European societies, in the context of the politics, economics, language, religion and technology of their times. Students will apply philosophical and historical tools to investigate the development of important ideas and schools of thought in the ancient world and the consequences of those ideas in the present.
Prerequisite: PHIL 100, or department approval

PHIL 242 Modern Philosophy **3 cr**

Explores the roots of western intellectual history since the European Renaissance, including the politics, economics, language, religion and technology in which they arose. Students will apply philosophical and historical tools to investigate the development of important ideas and schools of thought in the modern world and their consequences in the present.
Prerequisite: PHIL 100, or department approval



PHIL 285 Special Topics in Philosophy

3 cr

Challenges students at the sophomore level to understand, construct and criticize both informal (natural language) and formal (categorical and propositional) arguments. The course considers in detail the very notion of argument, argument structure and the criteria for constructing cogent arguments, and distinguishes arguments supported by evidence and reason from mere opinion and belief. Students will learn to apply these logical concepts in their writing, conversing and reading.

Prerequisite: PHIL 100, sophomore status, or department approval

PHIL 300 Epistemology and Metaphysics

3 cr

Considers the origins, nature and presuppositions of knowledge, as well as 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 philosophy course or instructor 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. Course attributes: SOCJ.

Prerequisite: A 100-level and a 200-level philosophy course or department approval

PHIL 325 Environmental Ethics **3 cr**

Addresses recent and historical perspective on the nature and scope of human moral obligations to the natural environment. Discusses the content and merits of competing ethical theories and their implications for both intra-human affairs and our place in nature as one of its creatures. Course attributes: CRCU, ENVI, SOCJ.

Prerequisite: A 100-level and a 200-level philosophy course or department approval

PHIL 335 Philosophy of Education **3 cr**

Seeing education as the principal means to full personhood raises important questions about autonomy, authority, creativity, and knowledge. This course will examine various philosophical perspectives on these questions and their implications for classroom practice.

Prerequisite: A 100-level and a 200-level philosophy course or department approval

PHIL 350 Contemporary Moral Issues

3 cr

Views such issues as war and peace, world poverty, sexual morality and spirituality from the perspectives of traditional and contemporary ethical theories. Course attributes: SOCJ.

Prerequisite: A 100-level and a 200-level philosophy 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. Course attributes: SOCJ. Prerequisite: A 100-level and a 200-level philosophy course or department approval

PHIL 375 Ethics and Animals **3 cr**

Explores the potentially morally significant relationships between humans and various kinds of non-human animals, applying moral propositions that we, as a society, subscribe to, to see whether they have unacknowledged implications for non-humans.

Prerequisite: Junior/senior status

PHIL 375H Honors: Ethics and Animals

3 cr

Explores the potentially morally significant relationships between humans and various kinds of non-human animals. Explores moral propositions that we, as a society, subscribe to, to see whether they have unacknowledged implications for non-humans. Course attributes: HONR.

Prerequisite: Junior/senior status

PHIL 385 Special Topics in Philosophy

3 cr

Challenges students at the junior level, to understand, construct, and criticize both informal (natural language) and formal (categorical and propositional) arguments. The course considers in detail the very notion of argument, argument structure, and the criteria for constructing cogent arguments, and distinguishes arguments supported by evidence and reason from mere opinion and belief. Students will learn to apply these logical concepts in their writing, conversing, and reading.

Prerequisite: A 100-level or 200-level philosophy course, junior status, or department approval

PHIL 400 Contemporary Legal Philosophy

3 cr

Examines the nature of law, the logic and sociology of judicial processes and the relationship of law to morality, including a comparison of major legal theories: natural law, legal positivism, legal realism and Marxist legal analysis.

Prerequisite: A 100-level and a 200-level philosophy course, or department approval

PHIL 410 Constructing Reality **3 cr**

Focusing on the increasingly popular notion that human beings, individually or corporately, actively construct, in part or in whole, the world. This notion transcends disciplinary boundaries, finding expression in such diverse fields as biology, philosophy, psychology, physics, anthropology, sociology, mathematics, theology, literary theory, cybernetics and linguistics.

Prerequisite: A 100 or 200 level philosophy course or department approval



PHIL 410H Honors: Constructing Reality
3 cr

Focusing on the increasingly popular notion that human beings, individually or corporately, actively construct, in part or in whole, the world. This notion transcends disciplinary boundaries, finding expression in such diverse fields as biology, philosophy, psychology, physics, anthropology, sociology, mathematics, theology, literary theory, cybernetics and linguistics. Course attributes: HONR.

Prerequisite: A 100 or 200 level philosophy course or department approval

PHIL 485 Special Topics in Philosophy
3 cr

A philosophical topics course tailored to changing student needs and interests, each offering focuses on a period in the history of philosophy (e.g. Greek philosophy, medieval philosophy, 20th century American philosophy, etc.), the works of an individual philosopher (e.g., Plato, Hegel, Hume, Kant, Descartes, etc.), or the critical examination of a philosophically challenging concept (e.g., freedom, value, meaning, truth, relativism, rights, justice, etc.)

Prerequisite: A 100 level and 200 level philosophy 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 lower-level courses.

Prerequisite: Minimum of 18 semester hours in philosophy and department approval

PHIL 500 Directed Independent Study
1 to 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 philosophy course, junior/senior status, department approval

PHIL 540 Philosophy Internship
3 to 9 cr

Philosophy is applicable to a wide range of professions and activities (e.g. law, business, education, public service). The philosophy internship is designed to allow advanced students with a particular focus or career goal to design and pursue such applications with faculty supervision including a significant component of writing about their experiences. Up to 9 credits per semester, three of which may apply to minimum major requirements.

Prerequisite: Senior status and department approval

PHYSICS (PHYS)

PHYS 105 Physics and Everyday Thinking
4 cr

Introduces students to basic physical concepts, including energy, motion, electricity, magnetism and light. This is a conceptual course and is intended for non-science majors. Due to the inquiry-based nature of the required laboratory, this course is particularly appropriate for pre-service elementary school teachers. Required laboratory. Course attributes: CSTL.

Prerequisite: None

PHYS 120 Introduction to Engineering
4 cr

Introduces students to basic scientific methodology, current problems and fundamental principles of engineering design. Intended for nonscience majors and potential engineering students. Required laboratory introduces fundamental science and engineering principles through collaborative projects such as robotics.

Required laboratory. Course attributes: CSTL.

Prerequisite: None

PHYS 131 General Physics I
4 cr

This is the first of a two-semester sequence, designed primarily for students in the biological and health sciences and others who desire a rigorous but non-calculus-based course that presents a complete introduction to physics. Covers vectors, one and two dimensional motion, Newton's laws, and rotational motion, conservation of energy and momentum, gravitation, wave motion, sound, heat and thermodynamics. Required laboratory. Course attributes: CSTL.

Prerequisite: None

PHYS 132 General Physics II
4 cr

This is the second of a two-semester sequence, designed primarily for students in the biological and health sciences and others who desire a rigorous but non-calculus-based course that presents a complete introduction to physics. Covers geometrical optics, electricity and magnetism, electronics, modern physics, relativity. Required laboratory. Course attributes: CSTL.

Prerequisite: PHYS 131

PHYS 140 Astronomy
3 cr

Looks at historical and modern aspects of astronomy. Topics covered will include: the Earth-Moon system, our solar system, galaxies, the observable universe, as well as current research in astronomy, including quasars, pulsars, black holes, other planetary systems and the search for extraterrestrial life. Course attributes: CST.

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. Corequisite: MATH 150 or MATH 220 Course attributes: CSTL.
Prerequisite: None

PHYS 152 Introduction to Physics II 4 cr
Continues the studies of Introduction to Physics I. Rotational dynamics, angular momentum, moment of inertia, simple harmonic motion. Waves, acoustics, heat and thermodynamics. Required laboratory. Course attributes: CSTL.
Prerequisite: PHYS 151 or department approval

PHYS 251 Introduction to Physics III 4 cr
The third of a four-part course and an extension of the work of Introduction to Physics I and II utilizing the more advanced mathematical techniques acquired during the freshman year. Focus is on electricity, magnetism and optics. Required laboratory.
Prerequisite: PHYS 152, MATH 220

PHYS 252 Introduction to Physics IV 4 cr
The fourth part of a four-semester sequence, continuing coverage from PHYS 251. Primary focus is on Maxwell's equations, optics and modern physics. Required laboratory.
Prerequisite: PHYS 251

PHYS 301 Classical Mechanics I 3 cr
The first of a two-part course for physics majors and math majors desiring a course that emphasizes mathematical applications: particle motion, rigid bodies, moving coordinate systems, two- and three-dimensional motion, systems of particles, continuous media.
Prerequisite: PHYS 252, MATH 330

PHYS 302 Classical 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 3 cr
Studies electrostatics, magnetostatics, electrodynamics, Maxwell's equations and its applications. Applications include electromagnetic properties of matter, wave propagation, radiating systems and special relativity.
Prerequisite: PHYS 252, MATH 330

PHYS 351 Modern Physics I 4 cr
Studies special relativity, the discovery of various physical phenomena which led to the development of quantum mechanics, and introductory quantum mechanics. Required laboratory.
Prerequisite: PHYS 252

PHYS 352 Modern Physics II 4 cr
Studies special relativity, the discovery of various physical phenomena which led to the development of quantum mechanics, and introductory quantum mechanics. Required laboratory.
Prerequisite: PHYS 351

PHYS 361 Mathematical Physics I 3 cr
Presents mathematical methods of use in the solution of physical problems. Topics covered include vector calculus and matrix techniques, complex variables, differential equations, transformations and distribution theory.
Prerequisite: MATH 320

PHYS 362 Mathematical Physics II 3 cr
Focuses on series and integrals, variational techniques, generalized coordinate systems and generating functions.
Prerequisite: PHYS 361

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 252

PHYS 402 Advanced Physics Laboratory II 3 cr
Continues Physics 401. Use of current computer technology is integral.
Prerequisite: PHYS 401

PHYS 460 Statistical Thermodynamics 3 cr
Studies statistical techniques applied to physical phenomena. Topics include kinetic theory of gasses, classical thermodynamics and quantum statistical physics.
Prerequisite: PHYS 252

PHYS 471 Quantum Mechanics 3 cr
Studies inadequacies of classical mechanics and explores ways of describing nature at the atomic level. Topics include the Schrodinger equation and its solutions for various simple systems, expectation values, operator formalism and matrix representation.
Prerequisite: PHYS 352

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 to 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

PHYS 510 Independent Research
1 to 3 cr

Participation in research in physics under the direction of a member of the physics faculty in a specific area.

Prerequisite: Department approval

PHYS 540 Physics Internship
3 to 15 cr

Offers the upper-level physics major an opportunity to practice physics in an appropriate professional situation. The student will work with a faculty sponsor and an off-campus supervisor in gaining experience significant to the major.

Prerequisite: Department approval, junior/senior status

PHYS 580 Special Topics in Physics
1 to 4 cr

Studies concepts, problems, issues, topics or themes that are important in the field of physics. Special topic seminars may explore a variety of topics including but not limited to: physics for educators, solid state physics, robotics and engineering applications. Lab may be required depending on topic.

Prerequisite: Department approval

POLITICAL SCIENCE
(POSC)

POSC 201 U.S. Government and Public Policy **3 cr**

Introduces the major institutions of national and state government and the discipline of political science. Through interdisciplinary study, students will develop an understanding of political behavior and the public policy processes in the United States.

Course attributes: CSS, ENVI.

Prerequisite: None

POSC 202 Comparative Government and Public Policy **3 cr**

Provides a comparative introduction to world political cultures and the discipline of political science. Through an interdisciplinary study of various nation-states, students will develop an understanding of political behavior and public policy processes.

Course attributes: CSS, ENVI.

Prerequisite: None

POSC 205 International Relations **3 cr**

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

Prerequisite: None

POSC 210 Political Science Research and Methods **3 cr**

Provides students with an understanding of various theoretical approaches to the study of politics and the public policy processes, as well as developing skills in social science quantitative and qualitative research methods.

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: Junior/senior status

POSC 304 Constitutional Law **3 cr**

Analyzes constitutional law with special emphasis on civil liberties and civil rights. Legal issues will be examined in the light of relevant social and political conditions. Course attributes: SOCJ.

Prerequisite: Junior/senior status

POSC 315 Topics in Political Science **3 cr**

Focuses on political science and government in national, regional, and international organizations throughout the world. Topics include: The United Nations; State and Local Government; Politics and Economics of the Pacific Rim; Vietnam.

Prerequisite: Junior/senior status

POSC 316 Topics in Public Policy **3 cr**

Focuses on selected public policies and the policy process in the United States and/or state governments.

Prerequisite: POSC 201, POSC 202

POSC 325 Canadian Politics: A Comparative Perspective **3 cr**

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

Prerequisite: Junior/senior status



POSC 331 Africa 3 cr
 Examines the nation-building issues facing the countries of Africa. Students will study the African triple heritage (indigenous culture, Islam, and Western colonialism) to gain insights into contemporary political and economic issues. Course attributes: CRUCU.
 Prerequisite: Junior/senior status

POSC 340 Inequality and Social Policy 3 cr
 Examines social welfare policies and programs from the New Deal to the present analyzing their economic, cultural, historic and political roots. Emphasis on selected issues such as poverty and inequality, healthcare, abuse and neglect, day care and parental leave. Examines social welfare policies as expressions of American values and political processes and compares American programs to those of other industrialized countries. Special attention paid to the experience of social program recipients. Course attributes: SOCI, WMST.
 Prerequisite: SOCI 100 or any Self & Society course

POSC 401 Seminar: Problems in Political Science 3 cr
 Explores in depth a particular problem, concept, issue, topic, or theme in political science. Topics include: The American Presidency; The Public Policy Process; The American Political Tradition.
 Prerequisite: Junior/senior status and courses in political science or a related discipline at the 300 level

POSC 402 Seminar: Problems in Political Science 3 cr
 Explores in depth a particular problem, concept, issue, topic, or theme in political science. Topics include: The American Presidency; The Public Policy Process; The American Political Tradition.
 Prerequisite: Junior/senior status and courses in political science or a related discipline at the 300 level

POSC 403 Seminar in Public Policy 3 cr
 Explores the public policy process in the United States and/or those of political systems in other nations. Topics include: U.S. Public Policy; Comparative Public Policy; State and Local Government.
 Prerequisite: Junior/senior status and courses in political science or related discipline at the 300 level

POSC 500 Independent Study 1 to 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 Assistant 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 Internship in Political Science 3 to 15 cr
 Qualified students may be placed as interns in state, local and national government agencies, law offices, museums, schools or businesses.
 Prerequisite: Junior/senior status, department approval

PSYCHOLOGY (PSYC)

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. Course attributes: CSS.
 Prerequisite: None

PSYC 208 Applied Developmental Psychology 3 cr
 Examines developmental theory and research from an applied perspective. Physical, cognitive, language, social and emotional development from early childhood through adolescence will be covered with an emphasis on application. (Students cannot receive credit for both PSYC 208 and PSYC 210).
 Prerequisite: PSYC 100 or a 100-level Self & Society course

PSYC 210 Developmental Psychology 3 cr
 Examines the development of the child through adolescence, including neonatal and prenatal development. Major theories of physical, cognitive and social development are discussed. The research methods and controversial issues in developmental psychology are emphasized. (Students cannot receive credit for both PSYC 210 and PSYC 208).
 Prerequisite: PSYC 100 or SOCI 100 or a 100-level Self & Society course

PSYC 230 Social Psychology 3 cr
 Examines human social behavior emphasizing environmental and situational factors. Theoretical and applied issues are considered within selected topics. (Psychology majors cannot receive core Self & Society credit for PSYC 230). Course attributes: CSS.
 Prerequisite: PSYC 100 or SOCI 100 or a 100-level Self & Society course

**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 or a 100-level Self & Society course

PSYC 290 Psychology Research and Statistics I 4 cr

Introduces the nature of empirical investigation in psychology and the role of data analysis in psychological research. Students learn the value of research methodology as applied to the field of psychology with a focus on concepts and interpretation of basic research design and statistical analysis. A weekly lab includes data analysis software applications.

Prerequisite: PSYC 100 and Tier I Quantitative Reasoning

PSYC 291 Psychology Research and Statistics II 4 cr

A continuation of PSYC 290, extending the nature of empirical investigation in psychology to specific research designs and statistical analyses. The course focuses on concepts, interpretation and applications of methodology and data analysis used by psychologists, including topics of ethics and APA style. Mastery of course material will be demonstrated by a completed research paper; weekly lab extends students' knowledge of statistical analysis software applications.

Prerequisite: Grade of C or better in PSYC 290

PSYC 299 Sophomore Seminar in Psychology 3 cr

Introduces and explores empirical research, theory and applications in selected areas of psychology. Emphasis will be placed on library research and class discussion. Critical reading and analysis skills will be assessed through several papers and presentations.

Prerequisite: PSYC 100

PSYC 310 Cognitive Psychology 3 cr

Studies knowing, learning, thinking and language. Topics include theories of cognition, language, attention, problem solving, memory, consciousness and creative thinking.

Prerequisite: PSYC 291

PSYC 316 Behavior Analysis 3 cr

Introduces the field of behavior analysis, examining behavior analytic history, philosophy, concepts and principles. Techniques and strategies inside and outside the laboratory will be discussed in detail. Students learn the basics of data-based approaches to behavior treatment. Concepts will be illustrated during discussion of a wide variety of behavior problems associated with developmental disabilities, substance abuse, physical fitness and academic delays.

Prerequisite: PSYC 100

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: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain

PSYC 331 Biological Psychology 3 cr

Examines the relationships between brain function and behavior using concepts from psychology and biology. Topics include motivation and emotion, learning and memory, sensory systems and perception, language disabilities and mental disorders.

Prerequisite: PSYC 291, BIOL 150

PSYC 332 Drugs and Human Behavior 3 cr

Examines the use and abuse of drugs from biological, psychological and cultural points of view. Addresses contemporary efforts in education, prevention and treatment of abuse.

Prerequisite: One 200-level PSYC, BIOL, or CHEM course

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: 200 level PSYC or SOCI or BADM course or completion of Tier II Self & Society domain

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 208 or PSYC 210

PSYC 350 Theories of Personality 3 cr

Examines classical and contemporary approaches to personality theory. Emphasizes application and empirical support for theoretical positions.

Prerequisite: PSYC 291

PSYC 355 Human Sexuality 3 cr

Examines the field of human sexuality from psychological, biological and sociological perspectives. In covering a wide range of contemporary topics, emphasis is on empirical, verifiable scientific information. Course attributes: WMST.

Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain



PSYC 356 Psychology of Gender 3 cr

Focuses on the similarities and differences between males and females, masculinity and femininity. Explores the origins and maintenance of gender stereotypes and their consequences. Course attributes: WMST.

Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain

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. Course attributes: WMST.

Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain

PSYC 360 Psychological Testing 4 cr

Studies theoretical and applied aspects of psychological testing. Examines standardized tests of ability and personality, business and industrial testing, and personnel selection. Mastery of course material will be demonstrated by administration, interpretation and writing of psychological reports. Required laboratory.

Prerequisite: PSYC 291

PSYC 369 Forensic Psychology 3 cr

Explores psychological aspects of human behavior and sociocultural issues as applied to law and the legal system. The role of forensic psychology in the production and application of psychological knowledge will be discussed by examining a number of social issues. Although the focus is primarily on criminal and civil cases, a broad perspective of forensic psychology will be covered, allowing the work of social scientists, jurists, clinicians and judges to be viewed in a systemic context.

Prerequisite: Completion of Tier II Self & Society domain

PSYC 370 Human Communication and Perception 3 cr

Presents an information processing approach to how we perceive and communicate about the world. Also examines our acquisition and use of language, as well as societal influences on perception and thought.

Prerequisite: PSYC 291

PSYC 375 Health Psychology 3 cr

Studies health and illness within the conceptual and methodological context of psychology, epidemiology, development, neuroscience and behavioral medicine. Examines and contrasts medical, psychological, and alternative models of disease and wellness.

Prerequisite: 200 level PSYC course or completion of Tier II Science & Technology domain

PSYC 376 Sport Psychology 3 cr

Introduces students to the current research and theoretical perspectives related to various psychological and psychosocial components of exercise, sport participation and competition. Personality,

motivation, social facilitation, anxiety, aggression and other factors that influence individuals and teams/groups are examined.

Prerequisite: Completion of Tier II Self & Society domain

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: 200 level PSYC course, CCSS 269, or completion of Tier II Self & Society domain

PSYC 386 Adolescent Development 3 cr

Examines the cognitive, social, emotional and physical development of the adolescent from a psychological perspective. Psychological and social problems that may arise during adolescence are discussed.

Prerequisite: One 200-level PSYC course

PSYC 387 Childhood Disorders 3 cr

Examines the etiology and clinical characteristics of behavioral disorders in infancy through adolescence, including emotional disturbances, anxiety and conduct disorders, mental retardation and learning disabilities. Emphasis on theoretical perspectives, research, assessment, early intervention and prevention.

Prerequisite: PSYC 208 or PSYC 210

PSYC 388 Adulthood and Aging 3 cr

Examines cognitive, social, emotional, and physical development during adulthood from a psychological perspective. Studies the impact of an increased life span on society and concludes with a psychological examination of death and dying.

Prerequisite: One 200-level PSYC course

PSYC 390 Research Design and Analysis 4 cr

Focuses on advanced methodology, data analysis and interpretation in psychological research. A research project is required. Required laboratory.

Prerequisite: PSYC 291

PSYC 391 Research Assistant in Psychology 1 to 3 cr

Provides opportunities for students to assist faculty in conducting empirical research. Particular responsibilities may include data collection, statistical analyses and other activities involved in planning and conducting research in psychology. Amount of credit will be determined by the faculty supervisor in consultation with the student. The course may be repeated up to a maximum of six credits will all grades assigned as pass/fail. Enrollment requires permission of the instructor.

Prerequisite: 200-level PSYC course, instructor approval



PSYC 397 Research Seminar in Psychology
3 cr

Applies research design and practice to selected problems. Includes literature review, deriving and empirically testing hypotheses. Requirements involve preparation of laboratory and other research materials, recruitment of participants and collection, analysis, and interpretation of resulting data. Culminates in preparation and submission of a complete report of the research project. Enrollment requires permission of instructor.
 Prerequisite: Instructor approval

PSYC 399 Honors Seminar in Psychology
3 cr

Surveys and critically examines selected areas and issues in psychology. Emphasizes multidisciplinary and interdisciplinary approaches to the topics selected for study. Designed for junior and senior majors intending graduate study in psychology, the seminar requires students to develop a program of reading, give oral presentations and complete a literature review paper.
 Prerequisite: PSYC 291

PSYC 410 History of Psychology **3 cr**

Examines the development of psychology as a science, an academic discipline, and a profession. Includes a comparative analysis of major contemporary theories in psychology.
 Prerequisite: PSYC 291 and completion of 9 upper-division credits in psychology

PSYC 416 Research in Behavior Analysis
3 cr

Participate in the design, implementation, analysis and dissemination of empirical research. Students will examine the strategies and rationale underlying within-subject designs through exposure to recently published articles from the behavior analytic literature. The relationship between experimental and applied research will be examined closely. All students will prepare an APA-style manuscript describing their research project.
 Prerequisite: PSYC 316

PSYC 440 Counseling Methods in Psychology **3 cr**

Studies techniques applicable in the helping services and counseling. Theories of counseling and basic psychotherapy will be reviewed. Experiential sessions will demonstrate established theories.
 Prerequisite: PSYC 270

PSYC 460 Human Behavior in Cross-Cultural Perspective **3 cr**

Examines similarities and differences in human behavior across cultural contexts. Includes study of socialization practices, interpersonal behavior patterns, personality variables and cognitive processes.
 Prerequisite: 200-level PSYC or SOCI course or completion of Tier II Self & Society domain

PSYC 470 Teaching Assistant in Psychology
1 to 3 cr

Provides the opportunity for students to assist a faculty member in the preparation and implementation of a psychology course. Particular responsibilities may include providing support with class activities and assisting students enrolled in the course. Amount of credit will be determined by the faculty supervisor in consultation with the student. The course is graded pass/fail. Enrollment requires permission of instructor.
 Prerequisite: Instructor 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: Junior/senior status and completion of Tier II Self & Society domain

PSYC 496 Research in Psychology **3 cr**

For junior and senior psychology majors who choose to conduct psychological research independently in a specific area. The research will be carried out under the direction of the faculty supervisor and will require a substantive scholarly report of the research. The course may be repeated for credit with the permission of a faculty member. The course is graded pass/fail. Enrollment requires permission of the instructor.
 Prerequisite: Instructor approval

PSYC 499 Advanced Seminar in Psychology
3 cr

An intensive examination of a selected topic in psychology. Mastery of the seminar material will be assessed by the completion of an APA-style paper.
 Prerequisite: PSYC 291 and completion of 9 upper-division credits in PSYC

PSYC 500 Independent Study **1 to 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. Enrollment requires individual application and permission of the department.
 Prerequisite: Junior/senior status, department approval

PSYC 516 Functional Assessment and Intervention **3 cr**

Receive an intensive overview of behavior assessment strategies designed to determine the environmental factors that influence behavior problems. Examples from recent literature will be examined in depth with a focus on applications to educational and other settings. All students will conduct three simulated functional assessments and behavior plans.
 Prerequisite: PSYC 316



PSYC 540 Psychology Internship

3 to 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. Enrollment requires individual application and permission of the department.

Prerequisite: Junior/senior status, department approval

PSYC 550 Senior Thesis 3 cr

Requires completion of a formal thesis on a significant topic in psychology. Intended for senior psychology majors, a literature review and proposal, along with approval of two members of the psychology faculty, is required prior to enrollment in the thesis course.

Prerequisite: Senior PSYC major, department approval

PSYC 552 NECC: Advanced Learning

3 cr

Provides an overview of modern behavior analytic concepts and terminology. Beginning with an examination of the history and assumptions of modern behaviorism, students will learn the competencies of behavior analysis in relation to working with children with special needs. Requires acceptance and enrollment in MCLA-NECC cooperative program.

Prerequisite: Department approval

PSYC 553 NECC: Functional Analysis and Treatment of Behavior Disorders 3 cr

Covers the goals and strategies of behavioral assessment. Students will learn indirect, descriptive and experimental assessments. All students will perform a descriptive functional analysis and an analog functional analysis. Required acceptance and enrollment in MCLA-NECC cooperative program.

Prerequisite: Department approval

PSYC 554 NECC: Systematic Inquiry in Applied Research 3 cr

Students will read and discuss recently published articles in the field of Applied Behavior Analysis. Class sections will focus on student presentations and discussion of articles selected by the instructor. The goal is to further student knowledge and inquiry in applications of empirical research in applied behavior analysis. Requires acceptance and enrollment in MCLA-NECC cooperative program.

Prerequisite: Department approval

PSYC 555 NECC: Seminar and Practical in Clinical Practice 9 cr

Involves working with special needs children under the mentorship of a faculty advisor. Students complete readings and research related to their classroom experiences and write a paper on a topic chosen by the student and approved by the instructor. Each student

is assigned teaching responsibilities under the supervision of a faculty mentor. Students participate in a weekly seminar designed to raise issues and discuss topics relevant to the practicum experience and assigned readings.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-NECC Cooperative Program

SKILL (SKIL)

SKIL 096 Mathematics For College 3 cr

Provides the means for students to develop mathematical literacy by reviewing computational skills and selected algebraic functions. Students will acquire quantitative sense and confidence to prepare for core curriculum or foundation courses in quantitative skills. Course includes initial diagnostic/placement test, which determines specific learning units to be covered. The course is individualized and runs with small group, individual and large group instruction.

Prerequisite: Placement based on college testing, SAT scores, faculty or admissions referral

SKIL 097 Writing For College 3 cr

Emphasizes components of clear written communication. Prepares students for college level writing requirements. Includes lectures, writing activities, and group and individual discussions. Prerequisite: Placement based on college testing, SAT scores, faculty or admissions referral

SKIL 098 Learning Strategies and Study Skills 3 cr

Provides the means for students to understand personal 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, vocabulary development and awareness of other academic success strategies.

Prerequisite: Placement based on college testing, SAT scores, high school background, faculty or admissions referral

SOCIOLOGY (SOCI)

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. Course attributes: CRCU, CSS, SOCJ.

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. Course attributes: CRCU, CSS, SOCI.

Prerequisite: SOCI 100 or a 100-level Self & Society course

SOCI 210 Families 3 cr

Explores contemporary American families (the forms they take, the functions they serve, the problems they face) within the context of families of other historical time periods, and other cultures. Presents an interdisciplinary examination of such topics as: gender roles, marriage, divorce and blended families, nonmarital lifestyles, parenting, family policy and technology's impact on family life. Course attributes: CSS, WMST.

Prerequisite: SOCI 100 or a 100-level Self & Society course

SOCI 282 Social Constructions of Deviance 3 cr

Analyzes social definitions of deviance, responses to deviance and the explanations of the causes of deviance. Examines drug and alcohol use and abuse, mental illness, sexual difference and other issues frequently treated as deviant. Course attributes: CSS. Prerequisite: SOCI 100

SOCI 302 Genocide 3 cr

Examines legal definition and cases of genocide to understand structural preconditions and effective prevention strategies.

Course attributes: CRCU, SOCI.

Prerequisite: SOCI 100

SOCI 303 Social Movements 3 cr

Introduces students to major social movements of the 20th Century in the U.S. and the variety of state responses to them. Examines political, social, economic conditions that gave rise to movements and the ways in which these movements have succeeded and failed. Explores why people join movements and the tactics they use to achieve movement goals. Additional focus on how art (poetry, literature, performance art, murals, photography) can function as a form of political protest. Course attributes: SOCI.

Prerequisite: SOCI 100, junior/senior status

SOCI 304 Social History of North Adams 3 cr

Examines the ethnic and class history of North Adams, and Northern Berkshire, starting with the second half of the 19th century. Investigates the industrial development of the community, the experience of the Depression and the growth of Sprague Electric company as the dominant employer. Concludes by reviewing the post-industrial changes in the area, the establishment of MASS MoCA and prospects for the future.

Prerequisite: HIST 203 or HIST 204 or SOCI 100

SOCI 312 Sociological Theory 3 cr

Explores the meaning of theory and its utility in the sociological enterprise. Examines the contributions of the classical theorists - Comte, Marx, Durkheim, Spencer, Weber, and Simmel - as well as the more contemporary contributions of Parsons, Merton, Goffman, Dahrendorf and the neo-Marxists to the development of sociological theory.

Prerequisite: SOCI 100 and two sociology electives

SOCI 315 Religion in Modern Society 3 cr

Studies religion as a social phenomenon in all its diversity in American culture. Emphasis will be placed on understanding religion in a post-modern world. Examines how sociology, distinct from theology, psychology and common sense approaches religion. Explores how religion is socially, culturally and historically constructed.

Prerequisite: SOCI 100

SOCI 316 Sociology of Sport 3 cr

Analyzes sport as a microcosm of society. Specifically focuses on American sport from youth through the professional levels. Studies sport and the following: socialization, business, mass media, ethical dilemmas, race, gender, structural inequality and secular religion. Examines the sociological reasons why contemporary sport is organized and functions as it does.

Prerequisite: SOCI 100

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. Course attributes: CRCU, SOCI.

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. Course attributes: ENVI.

Prerequisite: SOCI 100

SOCI 325 Contemporary Social Issues Through Film 3 cr

Examines American society through the medium of film. Students learn how to analyze movies sociologically, to place them in their historical and cultural context, both as shaping forces in society and as reflections of underlying social issues.

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 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 337 Aging and the Life Course

3 cr

Examines the changes in social roles and relationships that occur as people move through the life course. Considers the social forces that influence the individual aging experience and explores the relationship between the quality of life in old age and an individual's cumulative experiences, choices, constraints and opportunities over the life course. Includes adult development and life course transitions, caring for frail elderly, old age and the welfare state, as well as the economics of aging, aging policy and the economy, and aging and inequality.

Prerequisite: SOC 1 100 and junior/senior status

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. Course attributes: SOCI.

Prerequisite: SOCI 100

SOCI 345 The Sociology of Food **3 cr**

Examines the cultural meanings of food production, distribution, preparation and consumption. Topics include food and the construction of identity, food choices, food movements (vegetarianism, organic farming, slow food, etc.), work in the food industry, food controversies (genetically engineered food, E. coli, etc), family and sexual relationships, eating disorders, fast food, globalizing markets and others.

Prerequisite: Completion of Tier II Self & Society domain

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. Course attributes: SOCI. Prerequisite: SOCI 100

SOCI 352 Juvenile Delinquency **3 cr**

Analyzes patterns of delinquent behavior in children and adolescents; institutional and community efforts aimed at control, treatment and rehabilitation.

Prerequisite: SOCI 100

SOCI 355 Law and Society **3 cr**

Analyzes the development of law in complex societies, its functions and the social forces that influence rule-making and rule-sanctioning institutions. Examines the workings of legislatures, courts and executive administrative agencies, as well as the role performance of legal practitioners - legislators, judges and lawyers. Course attributes: SOCI.

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.

Course attributes: WMST.

Prerequisite: SOCI 100 or PSYC 100 or any Self & Society course

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 prereqs to be announced

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 499 Teaching Assistant in Sociology
3 cr

Supervised academic class presentation(s), assistance with study sessions and tutorials, attendance at all classes, final paper and other duties negotiated with course instructor. Must have completed a minimum of four (4) courses in the discipline, have a 3.0 overall GPA or better, and a B+ or better in the course.

This course can be taken for either pass/fail or traditional letter grading. This course requires approval of the department prior to enrollment.

Prerequisite: Junior/senior status

SOCI 500 Independent Study - Sociology
1 to 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/senior status, department approval

SOCI 540 Sociology Internship
3 to 15 cr

Placement in public or private organizations that 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/senior status, six semester hours of related coursework at the 200-level or above, department approval

SOCIAL WORK (SOWK)

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 Inequality and Social Policy
3 cr

Examines social welfare policies and programs from the New Deal to the present analyzing their economic, cultural, historic and political roots. Emphasis on selected issues such as poverty and inequality, health care, abuse and neglect, day care and parental leave. Examines social welfare policies as expressions of American values and political processes and compares American programs to those of other industrialized countries. Special attention paid to the experience of social program recipients. Course attributes: SOCJ, WMST.

Prerequisite: SOCI 100 or any Self & Society course

SOWK 348 Social Work Skills **3 cr**

Focuses on fundamental social skills such as establishing working/helping relationships, interviewing, listening, distinguishing content and process, recording, contracting, professional values and termination work.

Prerequisite: SOCI 100 or PSYC 100

SOWK 350 Group Counseling Skills **3 cr**

Combines group counseling theory and classroom experiences at the introductory level to develop understanding and skills in the helping of others in groups. Students will learn group leadership skills, how to recognize and work with group dynamics, and how to plan, lead and terminate social work groups.

Prerequisite: SOCI 100 or PSYC 100

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 375 Family Violence **3 cr**

Examines violence within contemporary American families through the lenses of gender, culture and age. Emphasis is placed on the physical and sexual abuse of women and children. We explore theory, research and solutions from the fields of social work, sociology, psychology and feminism. Course attributes: WMST.

Prerequisite: SOCI 100 or SOCI 210 or PSYC 100 and junior status

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. Course attributes: WMST.

Prerequisite: SOCI 100 or ANTH 130 or ANTH 140

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 or PSYC 100 or any Self & Society course



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 prereqs to be announced

SOWK 442 Social Casework **3 cr**

Examines casework practice theory and methodologies as applied in a variety of social service settings. Focuses on the psychosocial framework of study, assessment and treatment of client problems. Explores casework with special populations such as children, teenagers, and depressed and suicidal clients.
Prerequisite: 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. Course attributes: WMST.
Prerequisite: SOWK 348

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 or PSYC 100

SOWK 499 Teaching Assistant in Social Work **3 cr**

Supervised academic class presentation(s), assistance with study sessions and tutorials, attendance at all classes, final paper and other duties negotiated with course instructor. Must have completed a minimum of four (4) courses in the discipline, have a 3.0 overall GPA or better, and a B+ or better in the course. This course can be taken for either pass/fail or traditional letter grading. The course requires department approval prior to enrollment.
Prerequisite: Junior/senior status

SOWK 500 Independent Study-Social Work **1 to 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/senior status, department approval

SOWK 540 Social Work Internship
3 to 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.
Prerequisite: Junior/senior status, six semester hours of related courses at the 200-level or above, department approval

SPANISH (SPAN)

SPAN 101 Elementary Spanish I **3 cr**

Introduces spoken and written Spanish, emphasizing comprehension and communication. Classroom time devoted primarily to listening, speaking and some reading. Vocabulary presented and illustrated in meaningful contexts. Lab assignments provide practice in writing, as well as additional opportunities to hear and read Spanish. First half of a one-year course; intended for those who have no prior experience with Spanish. Conducted in Spanish.
Prerequisite: None

SPAN 102 Elementary Spanish II **3 cr**

Reviews first-semester Spanish and continues the comprehension and oral communication begun in Spanish 101. Intended for those who have already experienced a basic Spanish course. Conducted in Spanish. Course attributes: CLA.
Prerequisite: SPAN 101 or equivalent

SPAN 201 Intermediate Spanish I **3 cr**

Reviews first-year college Spanish (or high-school equivalent) with a view toward building competence and confidence in students who have been exposed to the basics of the language. Exploration of selected themes in modern Hispanic society, as well as intensive exercises in the oral and written language. Readings, discussions and brief essays on topics related to Hispanic culture. Conducted in Spanish.
Prerequisite: SPAN 102 or department approval

SPAN 202 Intermediate Spanish II **3 cr**

Continues Spanish 201. Additionally, through the reading of varied texts of wide appeal and interest, students become acquainted with the literature and life experiences of Spanish-speaking peoples. Exploring such elements as the literary content, themes, figures of speech and tone of a text, students are assigned written work of a descriptive or interpretive nature based on such textual aspects of the works studied and discussed. Conducted in Spanish.
Prerequisite: SPAN 201 or equivalent



SPAN 300 Spanish Conversation 3 cr

Focuses on the practice of spoken language. Students perfect oral communication skills by practicing idioms and conversational courtesies and improve understanding of spoken language.
Prerequisite: SPAN 202 or equivalent

SPAN 301 Advanced Spanish Grammar and Composition 3 cr

Reinforces students' ability to express themselves in Spanish, both verbally and in writing. Develops students' awareness of complex syntactical structures, and emphasizes skills in composition and advanced reading comprehension. Conducted in Spanish.
Prerequisite: SPAN 202 or equivalent

SPAN 310 Hispanic Civilization 3 cr

Provides a general survey of the history of Spain in the broader context of Mediterranean civilization through the colonial period. Looks at the present-day experience of Hispanics in the United States in the light of the past. Readings, discussions, written summaries, oral reports, brief essays and written examinations. Conducted in Spanish. Course attributes: CRCU.
Prerequisite: SPAN 202 or equivalent

SPAN 370 Hispanic Literature in Context 3 cr

Discusses the artistic implications of Iberoamerican literature and develops basic techniques of critical reading and textual analysis. Also reviews literary notions and genres. The reading selection is aimed at fostering class discussion, and provides additional insight for the examination and the interpretation of texts. Conducted in Spanish. Course attributes: CRCU.
Prerequisite: SPAN 202 or equivalent

SPAN 390 Special Topics in Hispanic Literature and Film 3 cr

Studies a specific aspect or period of Spanish literature and/or film in depth. Designed to provide advanced work in analysis, interpretation and research in selected areas of study. Course topic is identified by subtitle and may include areas such as Spanish and Latin American Cinema, Postmodernism in the Hispanic World and Contemporary Spanish Poetry. This course is conducted in Spanish (unless otherwise noted) and may be repeated when different topics are offered. Course attributes: CRCU.
Prerequisite: SPAN 300, SPAN 301

THEATER (THEA)

THEA 238 Experiencing Performance 3 cr

Focuses on the sound, rhythm, meaning, movement, design and their interdependence on one another as integral aspects of successful performance alone and in groups. Offers opportunities to identify and expand interests related to music, dance, drama, prose and poetry.
Prerequisite: None

THEA 271 Discovering Plays 3 cr

Introduces the play as an art form using a variety of plays and playwrights. Students learn analytical reading skills through studying language, structure, and literary and theatrical textuality in dramatic forms. Students participate in visualization projects and staged readings as classroom activities. Both written and oral presentation skills will be emphasized.
Prerequisite: None

THEA 272 Exploring Production 3 cr

Provides a foundation in the practice of technical theatre, preparation for work in scenery, lighting and costumes, as well as the basics of design. Class projects are designed to reinforce specific technical and design skills discussed and demonstrated in class. Additionally, the required lab time outside of class provides hands-on experience. Emphasis is placed on procedures, practice, and nomenclature.
Prerequisite: None

THEA 320 Costume Construction and Crafts 3 cr

Focuses on aspects of costume construction and crafts. Familiarizes students with the methods, materials, equipment, concepts, and processes involved in the construction of costumes for the theatre. The emphasis of this course will be on the physical process that results in the production of costumes through construction and craft techniques.
Prerequisite: THEA 272

THEA 321 Scenery Construction and Painting 3 cr

Focuses on aspects of scenery construction and painting. Familiarizes students with the methods, materials, equipment, concepts, and processes involved in the construction and painting of scenery for the theatre. The emphasis of this course will be on the physical process that results in the production of scenery through construction and painting techniques.
Prerequisite: THEA 272

THEA 372 Theatre Practicum 1 to 3 cr

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

THEA 374 The Art of Acting 3 cr

Pursues control of advanced performance skills: developing mastery of movement, vocal and imaginative skills; understanding character motivation and actions through intensive script analysis and scene study, alone and with a partner. Assignments will include performance of memorized scenes and writing papers on acting theory and performance criticism.
Prerequisite: THEA 238



THEA 379 Topics in Theatre Production
3 cr

Studies in depth a specific aspect of theatre production. Designed to provide advanced work in analysis, interpretation and research. Primarily for majors in the junior or senior year. Offerings: Diversity in Theatre, Playwriting, Creating Story Theatre, Computer Applications in Design, Designing for Theatre. Prerequisite: THEA 272

THEA 381 Theatre History I: Beginnings to 17th Century
3 cr

Traces the evolution of Western theatre in its social/political context from ancient Greece through the Renaissance. Theatre architecture, styles of staging, and works of dramatic literature are studied in relation to the social and intellectual history of each major era. Prerequisite: THEA 271

THEA 383 Theatre History II: 18th Century to Present
3 cr

Traces the evolution of Western theatre in its social/political context from the 18th century to the Post-Modern Period. Theatre architecture, styles of staging, and works of dramatic literature will be studied in relation to the social and intellectual history of each major era or artist style. Prerequisite: THEA 271

THEA 470 Directing
3 cr

Studies the theory and practice of the art of directing a play. Class format includes lecture/discussion and workshops, with the opportunity to direct scenes for class, as well as a one-act play for a public audience. Prerequisite: THEA 272, THEA 374, FPA Theatre Concentration

THEA 479 Topics in Theatre Performance
3 cr

Studies in depth a specific aspect of theatre performance. Provides advanced work in analysis, interpretation and research. Primarily for majors in the junior or senior year. Includes topics such as: Advanced Acting, Acting in Classical Styles, Creating Story Theatre, Creative Dramatics, Directing in Classical Styles, Physical Comedy, Spoken Word, Stage Movement and Stage Combat, Theatre Workshop and Voice Characters. Prerequisite: THEA 374

TRVL 300 Travel Course To:
3 cr

Offers students opportunity to take learning beyond the classroom. These courses involve on-campus instruction and meetings combined with travel to another country/region. Each course is designed to acquaint students with the history, geography, culture and society of other counties/regions. The specific travel course will identify the country/region under study, with a syllabus outlining the travel and course requirements. Prerequisite: Instructor approval

WOMEN'S STUDIES
(WMST)

WMST 201 Introduction to Women's Studies
3 cr

Examines the ways in which gender is socially, historically and culturally constructed. Focuses on the impact of feminism from past to present. Explores political, scholarly and interdisciplinary approaches to feminism. Students will be encouraged to develop their own ideas about how feminism can transform self, community and society. Course attributes: CSS, WMST. Prerequisite: None

WMST 202 Feminist Theory
3 cr

Analyzes and evaluates historical and contemporary feminist works tracing the origins of feminist theories within the Anglo American and French contexts, as well as examining the theoretical bases of international women's movements. Course attributes: WMST. Prerequisite: WMST 201

WMST 310 Women's Studies Seminar
3 cr

Begins with an overview of the major theories of feminist thought: liberal, socialist, Marxist, radical, ecological feminisms and womanism. It also explores some of the feminisms from Third World countries. This overview will provide the foundation and analytical framework which students will bring to their self-selected service projects, to better understand and evaluate the work world and women's struggles and accomplishments therein. Course attributes: WMST. Prerequisite: WMST 201 and two WMST electives

WMST 395 Special Topics in Women's Studies
3 cr

Examines in depth a specific topic area in women's studies. Provides advanced work in women's studies literature, theory and/or research in a topic area. Primarily for students in the women's studies minor. Content identified by subtitle. Course attributes: WMST. Prerequisite: WMST 201

**Course Attribute Key:**

- CAP** = Core Capstone Experience,
CCA = Core Creative Arts,
CCL = Core Computing Technology,
CHH = Core Human Heritage,
CLA = Core Language Arts,
CMA = Core Quantitative Reasoning,
CRCU = Cross-Cultural Social Justice –
Cross Cultural Track,
CSS = Core Self & Society,
CST = Core Science & Technology,
CSTL = Core Science & Technology
with lab,
CWR = Core Critical Reading, Thinking,
Writing,
ENVI = Environmental Studies,
HONR = Honors Program,
SOCJ = Cross-Cultural Social Justice –
Social Justice Track,
WMST = Women's Studies



FACULTY LISTING

BIOLOGY DEPARTMENT

PROFESSOR

Ronald W. Shewcraft: anatomy, biomechanical analysis of movement, coaching education

B.S., West Virginia University

M.S., West Virginia University

Jerry Smosky: genetics, physiology, immunology, evolution

B.S., Appalachian State Teachers College

M.S., University of South Carolina

Ph.D., University of South Carolina

ASSOCIATE PROFESSOR

Ann Biletz: cell biology, biochemistry, microbiology, parasitology and introduction to biology

B.S., Walsh College

M.S., Cleveland State University

Ph.D., Cleveland State University

Anne Goodwin: zoology, anatomy & physiology, marine biology

B.A., Albion College

Ph.D., Harvard University

ASSISTANT PROFESSOR

Justin Golub: animal behavior, developmental biology, evolution, genetics and biotechniques

B.S., Union College

M.S., Concordia University

Ph.D. Clark University

Peter Hoyt: athletic training, nutrition

B.S., Mercyhurst College

M.S., Old Dominion University

Ph.D. Rocky Mountain University

Ryan Krzyzanowicz: clinical athletic training, accreditation

B.S., Slipper Rock University

M.S., Old Dominion University

Emily Mooney: botany, ecology, conservation biology

B.S., State University of New York

Ph.D., West Virginia University

BUSINESS ADMINISTRATION AND ECONOMICS DEPARTMENT

PROFESSOR

Avaz Hajizadeh: economics, finance

B.S., Pahlavi University, Shiraz, Iran

M.B.A., James Madison University

M.S., Rensselaer Polytechnic Institute

Ph.D., Rensselaer Polytechnic Institute

Behzad Khajehzadeh (Ben Kahn): economics, management

B.S., University of Teheran

M.A., State University of New York at Albany

Edward Miano: management, accounting

B.A., Montclair State College

M.B.A., Pace University

Gregory O'Connor: marketing, management

B.S. B.A., Boston College

M.B.A., Suffolk University

M.P.A., Suffolk University

Nancy L. Ovitsky: marketing, economics, information technology

B.A., University of Illinois

M.S., University of Illinois

Ph.D., University of Illinois

Richard Yanow: senior seminar, finance, investing

B.S., Wharton School, University of Pennsylvania

M.B.A., Harvard Business School

ASSOCIATE PROFESSOR

James S. Moriarty: accounting, finance, (Director of Business Resource Center)

B.S., American International College

M.B.A., American International College

ASSISTANT PROFESSOR

Shahnaz Abdullah: business administration and economics

B.S., University of Dhaka

M.S., University of Dhaka

Ph.D. University of Birmingham

INSTRUCTOR

Paulette A. Remillard: accounting

B.S., North Adams State College

B.A., North Adams State College

M.B.A., Eisenberg School of Management, University of Massachusetts

CHEMISTRY DEPARTMENT

PROFESSOR

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

B.S., Tufts University

M.S., University of Southern California

Ph.D., Pennsylvania State University

ASSOCIATE PROFESSOR

Robert Harris: organic chemistry, inorganic chemistry

B.S., Virginia Polytechnic Institute and State University

M.S., Virginia Polytechnic Institute and State University

Ph.D., Boston College



COMPUTER SCIENCE DEPARTMENT
ASSOCIATE PROFESSOR

Mark Cohen: professional software development, object oriented design, multi-tiered software development, computer science theory

B.S., University of Lafayette College

M.S., University of Drexel

Ph.D., University of Pennsylvania State

Mike Dalton: robotics, software engineering, artificial intelligence, electrical engineering

A.A.S., New Hampshire Technical College at Manchester

B.S., University of New Hampshire

M.S., University of New Hampshire

Ph.D., University of New Hampshire

David Eve: hardware, networking, data communications

B.A., College of Wooster

M.Ed., University of Massachusetts, Amherst

Ed.D., University of Massachusetts, Amherst

EDUCATION DEPARTMENT
PROFESSOR

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

B.S., State University of New York

M.Ed., North Adams State College

Ed.D., Hofstra University

Susan Edgerton: curriculum theory, social justice

B.A., Louisiana Tech University

M.S., Louisiana Tech University

Ph.D., Louisiana State University

Dana Rapp: curriculum theory, teachers and civil disobedience, democratic practice

B.A., Alliance Francaise

B.A., Indiana University

M.A., James Madison University

Ph.D., Indiana University

ASSOCIATE PROFESSOR

Ann C. Scott: literacy, multicultural education, language acquisition

B.A., Smith College

M.Ed., University of Massachusetts, Amherst

Ed.D., University of Massachusetts, Amherst

ASSISTANT PROFESSOR

Dale Fink: early childhood education, special education

A.B., Harvard College

M.Ed., Antioch University of Open Education

Ph.D., College of Education, University of Illinois at Urbana-Champaign

Nicholas Stroud: student and teacher attitudes toward science; science pedagogy in and out of classrooms

B.S., University of Wisconsin, Madison

M.A., State University of New York, Stonybrook

Ph.D., Columbia University, Teachers College

ENGLISH/COMMUNICATIONS DEPARTMENT
PROFESSOR

Michael Birch: television production, mass media, intercultural communications, writing

B.A., King Alfred's College

M.A., University of Lancaster

Ph.D., University of Liverpool

Mary Ellen Cohane: Irish literature, folklore, ecology and literature

B.A., Fairfield University

M.A., University of Pennsylvania

Ph.D., University of Pennsylvania

Joseph M. Ebiware: mass media, broadcast journalism, speech, scriptwriting

B.S., Syracuse University

M.S., Syracuse University

Ph.D., Syracuse University

H. Benjamin Jacques: writing (nonfiction), journalism, literature

B.A., California State College

M.A., University of Arizona

Elizabeth G. Lambert: film studies, literature by women, science and literature

B.A., University of Southern California

M.A., University of Wisconsin, Madison

Ph.D., University of Massachusetts, Amherst

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

B.A., Oklahoma Baptist University

M.Div., Union Theological Seminary

Ph.D., Stanford University

Paul E. LeSage: journalism, business writing, literature

B.A., Norwich University

M.A., Idaho State University

Ph.D., University of Massachusetts

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

B.A., University of Houston

M.A., University of Houston

Ph.D., University of Texas

Donald E. Washburn: linguistics, literature, writing

B.A., Yale University

M.A.T., Yale University

Ph.D., University of Denver



ASSOCIATE PROFESSOR

Rosanne Fleszar Denhard: medieval and early modern British literature, life-writing, literature in performance, literary theory
B.A., College of Saint Rose
M.A., College of Saint Rose
Ph.D., State University of New York at Albany

ASSISTANT PROFESSOR

Jennifer Augur: fiction writing, journalism
B.A., Southampton College of Long Island University
M.A., West Georgia College
M.F.A., University of Massachusetts/Amherst
Melinda Dow: creative writing poetry, ecoliterature, american literature
B.A., Massachusetts College of Liberal Arts
M.F.A., University of Massachusetts, Amherst
Jeffrey McRae: poetry writing, creative writing, college writing, 20th c. american poetry, intro. to literature
B.A., University of New Hampshire
M.A., University of New Hampshire
M.F.A., Washington University, St. Louis

INSTRUCTOR

Mary Levitt: composition, tutor training
B.A., SUNY College at Potsdam
M.A., University of NY at Buffalo
M.Ed., University of NY at Buffalo
James Niedbalski: journalism (print, radio, multimedia), writing
B.A., North Adams State College
M.A., University of Massachusetts, Dartmouth

ENVIRONMENTAL STUDIES DEPARTMENT

PROFESSOR

A. Donald Hyers: geography, geology
B.A., Elmhurst College
M.A., Western Michigan University
Ph.D., Arizona State University

ASSISTANT PROFESSOR

Daniel Shustack: environmental studies and ornithology
B.S., Pennsylvania State University
M.S., University of Vermont
Ph.D., Ohio State University
Elena Traister: stream ecology
B.A., Williams College
M.A., Yale University
Ph.D., University of New Hampshire

FINE AND PERFORMING ARTS DEPARTMENT

PROFESSOR

Christine Condaris: vocal ensembles, ethnomusicology, musicology
B.A., Wesleyan University
M.A., New York University
Ph.D., Wesleyan University
W. Anthony Gengarelly: art history, museum studies, arts management
B.A., Yale University
M.A.R., Yale Divinity School
M.A., Williams College
Ph.D., Boston University

ASSOCIATE PROFESSOR

Michael Dilthey: music theory/composition
B.M., Southern Illinois University
M.M., University of Missouri M.M., Northwestern University
D.Mus., Northwestern University
Lisa Donovan: arts management, arts education, arts integration, arts based research
B.A., Oneonta State College
M.S., Boston University
Ph.D., Lesley University
Gregory Scheckler: visual art, painting and digital photography
B.A., University of Notre Dame
B.F.A., Washington University
M.F.A., Utah State University
Dawn Shamburger: theatre design and technology
B.A., Northwestern State University
M.F.A., University of North Carolina

ASSISTANT PROFESSOR

Douglas Jenkins: directing, theatre history, technical theatre, arts management
B.S., University of Texas at Arlington
M.A., Stephen F. Austin State University
Ph.D., Bowling Green State University
Melanie Mowinski: drawing, books arts, print making and design
B.S., Case Western Reserve University
M.A., Yale University
M.F.A., University of the Arts, Philadelphia
Laura Standley: acting, directing, play analysis
B.A., University of Central Oklahoma
M.F.A., University of California, Irvine



**HISTORY/POLITICAL SCIENCE/
GEOGRAPHY DEPARTMENT**
PROFESSOR

Robert E. Bence: U.S. government, public policy, Middle East, Canada

B.S., Indiana University of Pennsylvania
M.Ed., Indiana University of Pennsylvania
M.A., West Virginia University
D.A., Lehigh University

Kailai Huang: Asian history, world civilization

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

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

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

ASSOCIATE PROFESSOR

Anthony Daly: European history, world civilization

B.A., University of Toronto
M.A., Boston College
Ph.D., Boston College

Sharon M. Thomas: geography, travel and tourism

B.A., Arizona State University
M.A., Arizona State University
Ph.D., Arizona State University

ASSISTANT PROFESSOR

Petra Hejnova: public policy, international relations, women's movements, central and eastern Europe

B.A., Charles University
M.A., Charles University
M.A., Syracuse University
A.B.D., Syracuse University
Ph.D., Syracuse University

Ely Janis: post-civil war United States history, immigration and ethnicity

B.A., University of Oregon
M.A., Boston College
Ph.D., Boston College

LIBRARIAN
ASSOCIATE LIBRARIAN

Pamela Contakos

B.A., Marlboro College
M.L.S., Syracuse University

Linda Kaufmann

B.A., Marlboro College
M.L.S., State University of New York at Albany

MATHEMATICS DEPARTMENT
PROFESSOR

Fredricka Bennett: graph theory, history of mathematics, probability theory

B.A., Drew University
M.A., University of Massachusetts, Amherst
Ph.D., University of Massachusetts, Amherst

ASSOCIATE PROFESSOR

Christopher L. Thomas: geometric group theory

B.S., University of Massachusetts, Amherst
Ph.D., Tufts University

ASSISTANT PROFESSOR

Elizabeth Hartung: graph theory, modeling, combinatorics

B.S., Indiana University of Pennsylvania
M.S., Syracuse University
Ph.D., Syracuse University

**PHILOSOPHY/MODERN LANGUAGES/
INTERDISCIPLINARY STUDIES
DEPARTMENT**
PROFESSOR

David K. Johnson: epistemology and metaphysics, ethics, aesthetics

B.A., Georgetown University, Washington, DC
Ph.D., University of Massachusetts, Amherst

Matthew R. Silliman: social and political philosophy, moral theory, philosophy of education

B.A., Earlham College
M.A., Purdue University
Ph.D., Purdue University

ASSOCIATE PROFESSOR

Paul Nnodim: German philosophy, social, political and legal philosophy, ethics

B. Phil. (Bachelor of Philosophy), Pontifical Urbanian University, Rome
Ph.D., Johannes Gutenberg University Mainz, Germany

Graziana Ramsden: contemporary Hispanic novel and film, gender theory, second language acquisition

M.A., University of Venice
Ph.D., University of California, Santa Barbara



ASSISTANT PROFESSOR

Rita Nnodim: cross-cultural and transnational studies, African and South Asian studies, literature and film
M.A., Johannes Gutenberg University Mainz, Germany
Ph.D., University of Birmingham

Louis E. Stelling: French sociolinguistics and Franco-American French
B.A., University at Albany
M.A., University at Albany
Ph.D., University at Albany

PHYSICS DEPARTMENT

PROFESSOR

Carl A. Wolf: astrophysics, general relativity
B.S., Stevens Institute
M.A., Harvard University
Ph.D., Harvard University

ASSOCIATE PROFESSOR

Adrienne H. Wootters: condensed matter physics, physics education, history of physics
B.S., University of Texas at Austin
M.S., University of Texas at Austin
Ph.D., University of Massachusetts

Emily Maher: experimental and theoretical particle physics
B.A., Hendrix College
Ph.D., University of Minnesota

PSYCHOLOGY DEPARTMENT

PROFESSOR

Maria Bartini: peer relations in childhood and adolescence, school bullying, gender development
B.S., College of William & Mary
M.S., University of Georgia
Ph.D., University of Georgia

Thomas Byrne: behavior analysis, biological psychology, drugs and human behavior
B.A., University of Florida
M.A., Western Michigan University
Ph.D., Western Michigan University

Deborah A. Foss: human sexuality, research methods, social diversity
B.A., Southeastern Massachusetts University
Ph.D., State University of New York at Albany

Timothy B. Jay: psycholinguistics, cognition, communication and perception
B.A., Miami University
M.A., Kent State University
Ph.D., Kent State University

ASSISTANT PROFESSOR

Rebekah Benjamin: applied cognition and development, reading processes and assessment, measurement, quantitative research methods

B.A., Indiana Wesleyan University
M.A., The University of Georgia
Ph.D., The University of Georgia

Sharon Claffey: social support in married and cohabiting couples, division of household labor, parents of special needs children

B.A., College of Holy Cross
M.A., Monmouth University
Ph.D., Kent State University

Ben Wood: counseling methods, group psychology, abnormal psychology, personality theories, qualitative research methodology, and the psychology of religion

B.A., Dickinson College
M.T.S., Harvard Divinity School
M.S., Virginia Commonwealth University

INSTRUCTOR

Bonnie Beal: social networking, text messaging, impacts of technology on social skills in youth, and behavior modification in social settings

B.A., Massachusetts College of Liberal Arts
M.Ed., University of Massachusetts, Amherst

**SOCIOLOGY/ANTHROPOLOGY/
SOCIAL WORK DEPARTMENT**

PROFESSOR

Diane L. Balduzy: aging, death and dying, population, research methods

B.A., Arkansas State University
M.A., The University of Texas-El Paso
Ph.D., Case Western Reserve University

Susan Birns: anthropology of gender, families, family violence, social policy
B.A., Kenyon College

M.A., Miami University of Ohio
Ph.D., Syracuse University

Sumi E. Colligan: medical anthropology, gender, religion, the Middle East

B.A., University of California, Berkeley
M.P.H., University of California, Berkeley
Ph.D., Princeton University

Michele Ethier: clinical and administrative social work, gender, popular culture

B.A., University of Massachusetts/Amherst
M.A., State University of New York at Stony Brook
M.S.W., State University of New York at Stony Brook



Leonard F. Paolillo: crime and delinquency, the law, social problems

B.A., University of Notre Dame

Ph.D., Florida State University

ASSISTANT PROFESSOR

Ingrid Castro: sociology of education, sociology of childhood, minority groups

Ph.D., Northeastern University

M.A., Northeastern University

B.A., University of Delaware

Kathleen Miller: child welfare, research, social work theory and practice

M.S.W., University of Connecticut

B.A., Simon's Rock College

A.A., Simon's Rock College

Jennifer Zoltanski: social problems, social movements, criminology, juvenile delinquency, genocide, law and society.

B.A., University of Denver

M.S., Portland State University

M.A., Brandeis University

Ph.D., Brandeis University

INSTRUCTOR

Edward Curtin: sociology of religion, sports and research methods

B.A., Iona College

M.A., Manhattan College

M.A., City College of NY

2013-2014

SEPTEMBER

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					

1-2 New Student First Days & Check-in
 2 Labor Day
 3 Late Registration
 4 Classes Begin
 12 Add/Drop Period Ends

JANUARY

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	

13 Orientation, Late Registration
 14 Classes Begin
 20 Martin Luther King Day
 23 Add/Drop Period Ends

MAY

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	

7 Last Day Class
 8 Reading Day
 9 Finals Begin
 13 Finals End
 14 Final Exam Make-Up
 16 Baccalaureate
 17 Commencement
 26 Memorial Day

OCTOBER

S	M	T	W	T	F	S
			1	2	3	4
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

14 Columbus Day
 16 Incomplete Deadline
 16 Mid-term Warnings
 30 End of Withdrawal "W"

FEBRUARY

S	M	T	W	T	F	S
						1
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

17 Presidents Day
 25 Incomplete Deadline

NOVEMBER

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24	25	26	27	28	29	30

11 Veterans Day
 27-29 Thanksgiving Break

MARCH

S	M	T	W	T	F	S
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

10-14 Spring Break
 17 Classes Resume
 19 Mid-term Warnings
 28 End of Withdrawal "W"

DECEMBER

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				

2 Classes Resume
 11 Last Day Class
 12 Reading Day
 13 Finals Begin
 17 Finals End
 18 Final Exam Make-Up

APRIL

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			

17 Undergraduate Research Conference
 21 Patriots Day

MCLA Campus Map

1. Bowman Hall

- Art
- Chemistry
- Math
- Physics
- Psychology

2. Freel Library

- Computer Services

3. Eldridge Hall

- Center for Student Success and Engagement (CSSE)
- Financial Aid
- Institutional Research
- Registrar
- Student Accounts

4. Mark Hopkins Hall

- Education
- English/Communications
- Honors Center
- Human Resources
- TV Studio

5. Berkshire Towers

- Student Housing

6. Venable Hall

- Biology
- Environmental Studies
- Physical Education
- Venable Theatre
- Venable Gym

7. Murdock Hall

- Academic Technology Center
- Business Administration
- Computer Science
- Computer Support Services
- Media Services
- Sociology/Anthropology/ Social Work

8. Smith House

- Office of Admission

9. Facilities - TH #4

10. Hoosac Hall

- Student Housing

11. Administration & Finance

12. Amsler Campus Center

- Athletics Offices
- Bookstore
- Cafeteria
- Convenience Store
- Fitness Center
- Gymnasium
- Radio Station
- Student Affairs
- Swimming Pool

13. Flagg Townhouse Apartment Complex

- Student Housing
- Residential Programs & Services Office (RPS) - TH #89

14. Shipping and Receiving

15. 87 Blackinton Street

- Academic Affairs
- President's Office

16. Hoosac Bank Student Wellness Center

- Health & Counseling Services

17. 100 Porter Street

- Interdisciplinary Studies/Modern Languages/Philosophy

18. 94 Porter Street

- Fine & Performing Arts

19. Church Street Center

20. 72 Porter Street

- History/Political Science/Geography

21. Athletic Complex

- Baseball Field
- Soccer Fields
- Softball Field
- Tennis Courts

22. Power Plant

23. Institutional Advancement / Alumni Relations

- located at 228 East Main Street in North Adams

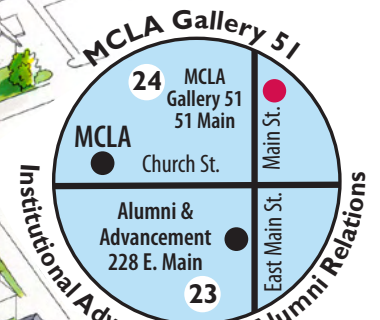
24. MCLA Gallery 51

- located at 51 Main Street in North Adams

25. Public Safety

26. Future location of Center for Science and Innovation

Admission
Visitor Parking



MASSACHUSETTS COLLEGE OF LIBERAL ARTS

Member of the Massachusetts State University System

Office of Admission
375 Church Street, North Adams, MA 01247

(800) 969 MCLA, Fax: (413) 662 5179
admissions@mcla.edu

www.mcla.edu