



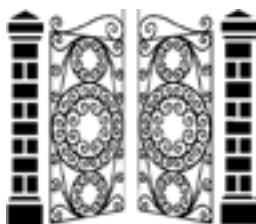
MASSACHUSETTS COLLEGE OF LIBERAL ARTS

North Adams, MA

UNDERGRADUATE  
ACADEMIC PROGRAM CATALOG

[www.mcla.edu](http://www.mcla.edu)

2016-2017



## A Message from the President

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Dear Students:

Welcome to Massachusetts College of Liberal Arts (MCLA), the Commonwealth's public liberal arts college. Located in the beautiful Berkshires of Western Massachusetts, MCLA is at the heart of a vibrant cultural and artistic community with an abundance of outdoor activities.

MCLA's engaged community produces transformative learning experiences fostered through a combination of classroom and hands-on learning. Our size and our liberal arts focus will provide you with endless opportunities to learn from a dedicated and talented faculty who are invested in your success. In classes that are small and personalized, MCLA faculty will know your name and share your dreams.

The academic experience at MCLA empowers you and prepares you to deal with complex and diverse issues while pursuing in-depth achievement in a specific field of study. We provide a wide range of engagement opportunities both in and out of the classroom including research projects, internships, service projects, and study abroad. These experiences will strengthen and refine your critical thinking, communications, and leadership skills – a foundation crucial to success in the global economy and engaged citizenship in your community.

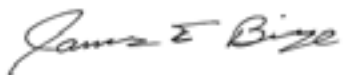
Our campus continues to expand in dynamic ways. In 2013 we opened the Feigenbaum Center for Science and Innovation, a state-of-the-art facility that provides students, faculty, and the education community of Berkshire County with new opportunities for teaching, learning, and discovery. Last year we opened the newly renovated and technologically advanced Bowman Hall, which houses a student-centered art gallery, art studios, PRESS Gallery, and hardware and software labs as well as the math, computer science, and visual arts departments.

The technology landscape at MCLA has also taken on a brand new look and feel. All computer networking has been replaced with the addition of more than 500 Wi-Fi access points throughout campus offering robust connections and web access both inside and out. Our internet bandwidth has quadrupled, and campus email and other applications are now accessible via the Cloud. Connecting devices and smartphones to our network is very easy, as is accessing our systems through a new mobile and socially friendly portal (Blazernet). Our classroom technology is also state-of-the art, with interactive short-throw projectors and a new Mac media lab in the recently refurbished Bowman Hall.

At MCLA, we continue to innovate, affect change, and achieve success through the dedicated efforts and commitment of our entire campus community. That work is reflected in this catalog. You'll find information here about programs that meet your interests and exceed your expectations. As an MCLA student, you should reference the information in the catalog guide as you continue your academic journey.

Welcome, again, to MCLA, where I am certain you will discover a supportive, enriching, challenging, and inclusive community – right from the start!

Sincerely,



James F. Birge, Ph.D.  
President



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## ACADEMIC POLICIES

For detailed information pertaining to current academic policies, please refer to [www.mcla.edu/registrar](http://www.mcla.edu/registrar).

## STUDENT HANDBOOK

To review a copy of MCLA's Student Handbook, refer to [www.mcla.edu/Handbook](http://www.mcla.edu/Handbook)

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## Mission Statement

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### 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 repre-

sents 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.

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## Accreditation Statement

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MCLA is accredited by the New England Association of Schools and Colleges, Inc., through its Commission on Institutions of Higher Education.

Accreditation of an institution of higher education by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer review process. An ac-

credited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. Accreditation by the New England Association is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

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## **MCLA Diversity Statement**

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Massachusetts College of Liberal Arts (MCLA) is committed to creating a campus climate, as well as a culture that values, represents, and honors diversity in our society. We actively endeavor to recruit and retain diverse students, faculty, and staff.

MCLA fosters meaningful dialogue both in and out of the classroom in order to encourage critical awareness and respect for similarities and differences. MCLA's inclusive education and informed pedagogy reflect and draw from the knowledge and empowerment of all individuals and the diverse groups that make up our college community.

MCLA critically addresses dynamics of inequality, exposing ways in which privilege and under-privilege are produced and maintained over time in society. We create and participate in forums and activities that both model and further equity in an informed manner. We also work to foster equity on campus and in the larger Berkshire community.

Members of MCLA are defined by and/or represent a variety of intersecting and diverse identities and groups[1], including but not limited to:

- Age
- Class/Socioeconomic Status
- Disability
- Ethnicity
- Gender, Gender Identity, and Gender Expression
- Nationality
- Race
- Religion
- Sexuality

MCLA strives to integrate topics of social, cultural, and physical diversity in the curricular, co-curricular, residential, and work life of the MCLA community. In so doing, MCLA works towards collaboration and purposeful

engagement to achieve social justice on campus and in the wider community.

December 2014

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## **Policy Statement on Affirmative Action, Nondiscrimination and Diversity**

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The Board of Higher Education of the Commonwealth of Massachusetts (“BHE”) is responsible, pursuant to Chapter 15A of the General Laws of the Commonwealth of Massachusetts, for the overall governance of the public higher education system, which includes the State Universities.

The BHE and the Boards of Trustees of the individual State Universities maintain and promote a policy of non-discrimination on the basis of race, color, creed, religion, national origin, gender, age, disability, sexual orientation, gender identity, gender expression, 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 1061; the Equal Pay Act of 1963; Civil Rights Restoration Act of 1988; Sections 503 and 504 of the Rehabilitation Act of 1973; the Americans with Disabilities Act of 1990, as amended; Section 402 of the Vietnam-era Veterans Readjustment Act of 1974, Uniformed Services Employment and Reemployment Rights Act; the Age Discrimination Act of 1975; the Age Discrimination in Employment Act of 1967, as amended; the Family and Medical Leave Act of 1993; the Genetic Information Nondiscrimination Act of 2008; the reauthorized Violence Against Women Act, Pub. Law No. 113-4 (2013); 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; St.2011, c. 199 (H3810), An Act Relative to Gender Identity; directives of the BHE, the Boards of Trustees of the State Universities and the Commonwealth of Massachusetts; and other applicable local, state and federal constitutions, statutes, regulations and executive orders.

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## **Student Rights under FERPA**

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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/resources/student-handbook/FERPA/](http://www.mcla.edu/Student_Life/resources/student-handbook/FERPA/)

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## **Assessment of Student Learning**

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Assessment fulfills MCLA's goal of continuous improvement and is necessary in order to maintain its accredited status in the New England Association of Schools and Colleges (NEASC). The college uses assessment to determine the impact and effectiveness of programs and curricula, not of individual students or faculty members.

MCLA's commitment to assessing its effectiveness necessitates that student work may be examined as part of program review, accreditation or other research projects. In addition, students may be asked to participate in surveys and focus groups or contribute in some other way to the assessment process.

The college adheres to all laws, ethics and criteria for protecting the identity and privacy of students and faculty members. All use of student work for assessment is in accordance with regulations of the Family Educational Rights and Privacy Act (FERPA) and monitored by the college's Institutional Review Board. Any questions, concerns, or comments about assessment at MCLA should be directed to the office of Institutional Research, Assessment and Planning.



# 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 has recently opened the Feigenbaum Center for Science and Innovation. This state-of-the-art facility supports learning and research for students, faculty and community members, and connects 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](http://www.mcla.edu/Admissions)  
(413) 662-5410, [admissions@mcla.edu](mailto: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](http://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 in-

dividual 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 17 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 which can be accessed through the MCLA website or [www.commonapp.org](http://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	4 units
C. Science	3 units
D. Social Science	2 units
E. Foreign Language	2 units
F. Electives	2 units
Total:	17 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. One course must be completed in a student's Senior year of high school.

C. Science courses must include three 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).

**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 along with SAT/ACT scores for transfer students who have been out of high school less than three years and have earned fewer than 24 transferable credits.

**Transfer Credit Policy for Core Curriculum** - Transfer students enrolling at MCLA with a designated Massachusetts Transfer Compact Associate's Degree will be waived out of the four Communication Competencies and Tier I and Tier II requirements in each domain.

Students enrolling at MCLA whose official transcript indicates completion of the Mass Transfer Block from any public institution in Massachusetts will be waived out of the Communication Competencies and Tier I and Tier II requirements in each domain.

Transfer students enrolling at MCLA with an Associate of

Arts or Associate of Science degree from a public community college from New York State with a 2.5 GPA will be waived from the four Communication Competencies and Tier I and Tier II requirements in each domain.

All other transfer students will receive credit toward the Communication Competencies and Tier I and Tier II requirements in each domain when the transferred courses are deemed equivalent to our core courses, or to have met the outcomes in those domains.

**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.

**MassTransfer** – Students transferring to MCLA from any Massachusetts public higher education institution may qualify for MassTransfer. Massachusetts community college students who complete an associates degree and enroll in an approved MassTransfer program receive guaranteed admission, full transfer of credits and a tuition discount based upon final GPA. Students who complete the MassTransfer block of courses will satisfy the core requirements at MCLA, other than the capstone course. Completion of the 34 credits in the MassTransfer block must be indicated on the sending institution's official transcript. Students should contact the Office of Admission for more information. A complete description of MassTransfer and a list of approved programs is available at: [www.mass.edu/masstransfer/](http://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.
- 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
- Letter of Recommendation
- Personal Statement/Essay (250-500 Words)
- Application fee.

**Certification of Finances:** As required by U.S. Citizenship and Immigration 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** - Students can attend MCLA as full-time (12 credits or more), or as part-time (less than 12 credits). 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 CSSE.

#### **BILLING INFORMATION**

[www.mcla.edu/studentaccounts](http://www.mcla.edu/studentaccounts)  
(413) 662-5230, [studentaccounts@mcla.edu](mailto:studentaccounts@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/studentaccounts](http://www.mcla.edu/studentaccounts). The College also offers a monthly payment plan. For more information about this service please contact Student Accounts Office.

**Insurance** - Mandatory health insurance will appear as a charge on the student bill. Waiver or enrollment is completed on the Student Accounts website.

**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/tuitionbreak](http://www.nebhe.org/tuitionbreak).

**Tuition and Fees** - For information regarding current tuition and fees, please go to [www.mcla.edu/studentaccounts](http://www.mcla.edu/studentaccounts)

#### **FINANCIAL AID INFORMATION**

[www.mcla.edu/Aid](http://www.mcla.edu/Aid)  
(413) 662-5219, [finaid@mcla.edu](mailto:finaid@mcla.edu)

All MCLA students are strongly encouraged to complete the Free Application for Federal Student Aid (FAFSA) at [www.FAFSA.gov](http://www.FAFSA.gov). For more information about the financial aid application process, please refer to the financial aid website at [www.mcla.edu/Aid](http://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 the Federal Student Aid (FAFSA) online at [www.FAFSA.gov](http://www.FAFSA.gov). A 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](http://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.

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**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](http://www.mcla.edu/registrar).

**Definition of Credit Hour**-An amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

- One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
  - At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work and other academic work leading to the award of credit hours.
- MCLA in accordance with the federal regulations and commonly accepted practices in higher education operates on a 50-minute hour as it relates to direct faculty instruction and a minimum of two additional hours per week as it relates to other non-direct instructional activities (laboratory, internships, etc.)
- Each unit of internship requires a minimum of forty-five (45) hours of on-site experience for each credit hour (See Policy on Internships)
  - Laboratory courses must maintain a minimum of 45 contact hours per unit of credit.
  - Field trips are to be counted hour-for-hour as laboratory meetings.

### **Academic 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 acknowledgement 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 in either or both of the following cases:

- 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 will hear academic grievances from and about students enrolled in the undergraduate program. It will also serve as a hearing board for students charged with academic dishonesty.

#### PROCEDURES FOR COURSE GRADE APPEAL OR ACADEMIC SUSPENSION:

In the event a student wishes to appeal an instructor's grade, the process for filing an appeal:

- The student will bring a written statement to the instructor explaining in detail all the facts relevant to the appeal. This must be discussed with the instructor. If a decision or resolution acceptable to the student is not reached:
  - The instructor shall give the student a written statement of his/her decision, explaining in detail his/her reasons for that decision within one week of meeting with the student.
  - The student will then bring both statements to the chair of the academic department sponsoring the course. The chair will read and discuss the statements with the student and consult with the faculty member as appropriate.
  - The chair will provide the student with a written statement of his/her decision, recommending support or denial of the case decision within one week of meeting with the student. If a decision or resolution acceptable to the student is not reached:
  - All materials will be forwarded to the Dean of Academic Affairs who will read and discuss all the statements with the student and other parties.
  - The Dean will forward all information to the Registrar. Meetings of the Academic Appeals Committee will be called as needed by the Registrar. Requests for a hearing before the Academic Appeals Committee must include written statements from all parties as outlined above. Such requests must be made to the Registrar within thirty days of initiating the appeal.
- In cases involving appeals of a course grade a student has one month into the following semester to initiate an appeal relating to grades earned in the regular Fall or Spring semesters. In all other cases (e.g. summer) the student has one month after receipt of the grade to initiate an appeal through the aforementioned channels. No grade appeals can be made after the above deadlines.
- In cases involving academic suspension, students wishing to be readmitted must appeal in writing by the date specified in the student's suspension notice. Forms explaining suspension appeal will be sent to the student at the time of notification.
- Students will submit WRITTEN appeals ONLY.
  - The Academic Appeals Committee has the authority

over enrollment conditions, including, but not limited to, mandating course selection for students and mandating the number of credits taken per semester.

All students academically suspended from the college must minimally meet the following conditions for readmission:

- At least 6 credits of transferable credit earned during the suspension period with a GPA of at least 2.0.
  - A Readmission Approval Form must be completed by the student and approved by the Office of Academic Affairs or its designate, prior to enrolling in classes. Courses must be taken at an accredited institution other than MCLA.
  - Students must sit out the following academic semester from MCLA. Students will be allowed to finish any courses in which they are attending classes at the time of suspension. However, such courses will not count for purposes of readmission.
  - Other conditions may be imposed by the Academic Appeals Committee or the Office of Academic Affairs or its designate, based on the student's overall record.
- A student academically suspended from MCLA more than twice may appeal and may be eligible for readmission at the discretion of the academic appeals committee.

#### APPEAL PROCEDURES - ACADEMIC HONESTY:

Upon an occurrence of alleged academic dishonesty, the instructor may exercise his/her discretion in imposing a sanction. The instructor may further file charges with the Academic Appeals Committee against the student if he/she believes that additional sanctions would be appropriate. The instructor must notify the Registrar in writing of any occurrence of academic dishonesty whenever he/she has 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 sanctions.

If the student wishes to appeal the sanction imposed by the instructor, the student must initiate an appeal within 14 days after receipt of notification.

The Academic Appeals Committee shall consider as a basis for a hearing that:

- The student claims not to have been academically dishonest.
- The student claims the instructor imposed an inappropriate sanction.
- The nature of the offense merits further action.

In academic dishonesty cases, the committee may receive requests for hearings from students, individual faculty,

staff members, or the Registrar.

- A hearing is requested by notifying the Registrar in writing. The Registrar is the chairperson of the Academic Appeals Committee.
- A faculty or staff member may bring charges against a student when sanctions of grading do not appear appropriate to the faculty or staff member, in light of the academic dishonesty.
- The Registrar must refer cases of second and/or subsequent offenses of academic dishonesty for committee action

If occurrence does not concern work performed for direct academic credit, the member of the faculty, staff, or administration filing charges shall maintain all supporting documentation and shall notify the Registrar of the suspected violation(s). The Registrar will then institute the established college procedure for dealing with violations of academic ethics.

Upon request for a hearing, it is the duty of the Registrar as chairperson of the appeals committee, to schedule such a hearing within 30 days if school is in session. All parties to the case shall receive written notification of the hearing 7 days in advance, including date, time, and place. The student should be given the names of witnesses and an oral or written report on the facts to which each witness shall testify, so that the student may prepare a defense.

The student may elect to waive his/her right to a hearing before the Appeals Committee, and admit to the charge(s) addressed. In such cases the committee will then proceed to the assessment of the appropriate sanction.

The Appeals Committee may recommend the following sanctions for cases involving Academic Dishonesty:

- Academic Reprimand, which consists of a notice placed in the official file in the Registrar's Office. The Academic Appeals Committee may recommend that such notice remain on file for up to five years.
- Current semester dismissal for the semester in which the offense was committed. Grades of "WX" will be recorded on the courses no matter when the sanction is imposed; however, the instructor of the course in which the academic dishonesty occurred may exercise his/her option of assigning an "F" in that course.
- Semester dismissal both for the semester in which the academic dishonesty occurred and the following semester.
- A student who has been dismissed or suspended from classes may not enroll in any course offered by the college. If a student is dismissed for academic dishonesty, the student's transcript will state that the student was dismissed for academic dishonesty and will indicate the date on which the student was dismissed. The student may petition the Vice President of Academic Affairs five years after the date of dismissal to have this statement removed from his/

her academic transcript.

Students will be informed in writing of any sanction imposed on them, by the Academic Appeal Committee. A student who has been dismissed from the college for academic dishonesty may appeal for readmission. The Office of Academic Affairs or its designate, may determine additional conditions of readmission.

If a student has been academically dismissed from MCLA more than twice for repeated violation of the academic honesty policy, the student is ineligible for readmission.

#### HEARING PROCEDURES:

Appeal hearings will be closed to all but the student and/or faculty involved. Either party involved in the case may petition the committee in writing, within 24 hours prior to the hearing, to allow students and/or faculty members involved in the case to participate in or sit-in during the hearing. Petitions will be approved at the discretion of the Academic Appeals Committee.

Either party to a grade or academic honesty appeal may testify on his/her own behalf.

The Committee reserves the right to allow the faculty member involved to hear the student's testimony. The student has the option to stay and hear the testimony of the faculty member and any other witnesses. The student will then be given an opportunity to respond to the testimony of those witnesses.

The committee will entertain a written petition for rehearing only in exceptional instances in which either party can demonstrate significant new factual information.

The Academic Appeals Committee reserves the right not to hear an appeal in any case where data is not sufficient, the necessary steps have not been followed or when jurisdiction is not clear.

#### COMMITTEE MEMBERSHIP:

The membership of the Academic Appeals Committee hearing Academic Suspension Appeals shall consist of:

- Two faculty members appointed by the President of the Faculty Association for a two year term
- One faculty member appointed by the President of the Faculty Association for a three year term
- An MCLA Administrator
- The Dean of Academic Affairs
- The Registrar shall act as Chair - voting only in the event of a tie
- The Dean of Academic Affairs or the Office of Academic Affairs or its designate, shall act as chairperson in the absence of the Registrar

Membership of the committee hearing Grade Appeals and/or Academic Dishonesty Appeals shall consist of all members listed above as well as two students chosen from



the college judicial board pool by the Office of Student Affairs. If necessary, other appropriate students will be selected by the Registrar.

**VOTING PROCEDURES:**

A quorum shall be at least two faculty, and one administrator for suspension appeals (in addition, one student for grade and dishonesty appeals).

In all cases any action requires a majority of those present.

Voting will be by secret ballot.

Any member of the committee who is involved in a particular case may not participate in that case.

**REPORTS OF THE COMMITTEE DECISIONS:**

In all cases the committee's recommendations along with all pertinent documents will be forwarded to the Vice President of Academic Affairs for his/her recommendation. The committee's and the Vice President's recommendations will be forwarded to the President for final approval. If requested, the President will provide written rationale to either party involved in the case.

The Registrar shall record all sanctions imposed for academic dishonesty by the instructor and by the President unless there is a finding of acquittal. In the case of acquittal, the record of the charge will be deleted from the files.

- Such records of sanctions shall be maintained by the Registrar separately from the permanent file, and will be made available to the Admissions Office should the student apply for readmission.
- All such records shall be destroyed upon graduation or five years from the last date of attendance.
- In the specific instance of a student dismissed from the college for academic dishonesty such records shall remain permanently on file, unless petition is made to the Vice President of Academic Affairs.

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 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 - 1.99	under 1.500
31-75	2.000 or above	1.750 - 1.999	under 1.750
76 & above	2.000 or above	No Probation	under 2.000

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

Students who are suspended and successfully appeal their suspension will be so designated by a separate category of academic standing that reflects academic probation following a successful appeal of an academic suspension. The following designations reflect MCLA's Policy on Academic Standing in accordance with a student's cumulative MCLA 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 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 the Center for Student Success and Engagement (CSSE) 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 or Academic Probation following an 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 Services

**Center for Student Success and Engagement (CSSE)** is guided by the philosophy that MCLA is a community defined by collaborative relationships designed to assist, educate, and empower students. This involves communicating clear expectations to students, setting appropriate aspirational goals, and connecting students with programs and services to support their efforts in reaching those goals. For more information, please go to [www.mcla.edu/csse](http://www.mcla.edu/csse)

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

**Advising Services** is the primary academic resource on campus, to empower students to make informed academic, career and life decisions. Staff assist students with academic program information (including core curriculum), registration, schedule adjustments, prior learning credits, off campus study approvals, leadership opportunities and general academic difficulties. The advising of all undeclared students is coordinated by the Advising staff, as well as students on academic probation or suspension. For more information, please go to [www.mcla.edu/advising](http://www.mcla.edu/advising).

**Career Services** provides students and alumni with the necessary professional development tools and skills to prepare for any post-undergraduate transitions. The Office of Career Services assists with the decision making process around the areas of career exploration, graduate school preparation, job search, and major career connection. Through partnering with the academic departments, Career Services strongly encourages and promotes the value of internships as a demonstrable way for students to prepare for future employment opportunities. By working closely with the Office of Institutional Advancement and Alumni Relations, Career Services introduces current student to alumni who are able to share their professional experiences and networking opportunities to offer valuable insight into various career paths and industries. For more information, please go to [www.mcla.edu/Academics/academicresources/career](http://www.mcla.edu/Academics/academicresources/career).

**Academic Support** is committed to offering students various academic resources to support students' goals. From freshman to graduate students, all are encouraged to seek assistance in improving their academic skills. The following are coordinated out of CSSE/Academic Support:

Small group tutorials led by qualified peers are available in many classes. Requests can be submitted during the first eight weeks of a semester. If a student, after consultation

with her/his instructor, continues to experience difficulty in a course, it is appropriate to request a tutorial. Students can request a tutor online through Self-Service Banner.

The Writing Studio is a space where writers collaborate and create. Trained peer Writing Associates will collaborate with writers at any stage of the writing process: from understanding assignments and brainstorming ideas to planning, revising and polishing final drafts. Students and faculty are also invited to schedule writing group meetings and writing events when the studio space is available.

Supplemental Instruction (SI) is provided to increase student performance in traditionally difficult classes. SI Leaders are upper-class students who have previous experience in the targeted courses. Working in collaboration with faculty and Academic Support, they help students develop study strategies to enhance understanding of course content. SI Leaders attend class with the students and run learning sessions on a weekly basis to support academic success in the course.

For more information on Academic Support, please go to [www.mcla.edu/Academics/csse/Academic-Support/](http://www.mcla.edu/Academics/csse/Academic-Support/)

**Disability Resources** will work with students individually to determine accommodations that are reasonable for them. Based on the student's documentation, an accommodation plan is developed to facilitate equal access. For further information or to inquire about reasonable accommodations, please call 413-662-5318 or visit the website at <http://mcla.edu/Academics/csse/disability-services/index>

**Undeclared Program** - The Undeclared 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. For further information, please contact CSSE/Advising at (413) 662-5400.

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

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.

### Policy Information

For detailed Academic information pertaining to current academic policies, please go to <http://www.mcla.edu/Academics/registrar/>

### Student Handbook

To view a copy of MCLA's Student Handbook, go to [http://www.mcla.edu/Student\\_Life/resources/studenthandbook/](http://www.mcla.edu/Student_Life/resources/studenthandbook/)

**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 MCLA 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](mailto: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:

**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.)

**Advanced Placement (AP) Program**- Sponsored by the College Entrance Examination Board (CEEB), the Advanced Placement Program 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. The College will grant course credit for an AP score of 3 or higher. An official copy of the student CEEB report must be sent to the MCLA Office of Admission for evaluation.

**College Level Examination Program (CLEP)**-Also sponsored by the College Entrance Examination Board (CEEB), provides 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 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 and narrative to CSSE/ Advising Services for review and approval. [A \$25 processing fee will be assessed for this service.] For more information, go to <http://www.mcla.edu/Academics/continuing-education/newstudents/physicaleducationgraduationrequirements/index>

**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** - Independent Study should be work in a subject area not covered in depth by the normal course offerings of an academic department. It should provide within its own structure a valuable experience of independent research, analysis and reporting which will enhance not only the student's grasp of his/her subject field but also entail the requisite motivation, skills, and discipline of independent work. Independent Study should provide new and unique objectives consistent with the academic program of the student.

Independent Study proposals must be approved prior to the end of the second week of the semester.

Independent Study proposals are to be developed jointly by the instructor and the student and require approval of the Department Chairman. The learning objectives are to be carefully considered and identified in the proposal. The method by which the student will evaluate the learning experience and by which the instructor will evaluate the student must be indicated. It is imperative that instructors judge whether the student is able to work independently and will be able to benefit scholastically from such a study.

Students are limited to a maximum of 12 credit hours of independent study credit, and freshmen, and under most circumstances sophomores, are excluded from the option.

The amount of credit to be earned in any independent study course is to be determined by the instructor at the time the proposal is submitted, and may vary from one to three credits, depending upon the number of objectives identified in the proposal, and the degree of difficulty, or complexity, as judged by the instructor.

The number of credits is not to be changed at the end of the study period because the student failed to meet all of the objectives which were identified in the proposal. The grading system is cited in the college catalog is designed to provide for this.

#### **Honors Program**

One of the ways MCLA explores its Liberal Arts mission is to foster a cohort of passionate students - students who are intellectually engaged with each other and the world, who love books, writing, and learning for their own sakes, whose curiosity ranges beyond conventional disciplinary boundaries, and who crave intellectual challenges. The honors program aims to offer a home for such students. The idea behind honors at MCLA is not that you are undertaking more work, but that the work you undertake is more interesting.

**Internships** - The College recognizes the value of internships as an educational experience. 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/Academics/csse/Internships/view-internships/](http://www.mcla.edu/Academics/csse/Internships/view-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, Canada, Guam, Puerto Rico, and the U.S. Virgin Islands. For more information, call (413) 662-5389 or visit [www.nse.org](http://www.nse.org).

**Study Abroad** - Students in all majors have the opportunity to study abroad for a semester or a year. MCLA is a member of International Studies Abroad (ISA), Center for International Studies Abroad (CISabroad), and the Semester At Sea. Programs are available for students to study in Europe, Asia, Latin America, Africa, and Australia. For more information, call (413) 662-5389 or visit [www.studiesabroad.com](http://www.studiesabroad.com), [www.CISabroad.com](http://www.CISabroad.com), or [www.semester-atsea.org](http://www.semester-atsea.org).

Minimum criteria to be eligible to study away with NSE or study abroad: Minimum 2.5 GPA (some programs have a higher GPA requirements); at least sophomore status (30 credits) by time of departure; no holds on student account's; and review of the student's disciplinary record.

**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](http://www.mcla.edu/TravelCourses). [www.mcla.edu/Academics/undergraduate-experience/travelcourses/index](http://www.mcla.edu/Academics/undergraduate-experience/travelcourses/index)

**Undergraduate Research Program** - The Undergraduate Research Program encompasses independent scholarly activity by students in the arts, humanities, and sciences. This program supports students with independent study opportunities in many disciplines, small research and travel grants, and a dynamic campus-wide Annual Undergraduate Research Conference (URC) for presenting their work.

**Undergraduate Research Fellow** - Students interested in

undergraduate research should contact their faculty advisor.

### **MCLA Scholar Program-Rationale:**

The purpose of this program is to recognize the outstanding work of these students by conferring the MCLA Scholar designation at graduation and on their official college transcripts. This designation will assist students in their future career and educational endeavors. This program will also provide clear standards for independent work and scholarship to which prospective and current students can aspire and work towards.

Program requirements:

- At least two semesters (minimum of 6 credits) of Independent Study or equivalent experience in one academic discipline. This work must be independent, substantive, and conducted under the supervision of a faculty mentor.
- Evidence of professional scholarship in the form of one of the following: a presentation at the MCLA Undergraduate Research Conference, a presentation at a regional/national undergraduate or professional conference, a public art show, exhibit, or performance, or work on art commissions.
- Application by the student. The deadlines will coincide with the graduation application deadlines in the Fall and Spring of each academic year.
- A minimum GPA of 3.30 or the equivalent of the cum laude graduation honor.
- A letter of support from the independent study faculty advisor. A review committee of two faculty (from different disciplines and selected from individuals serving on the Undergraduate Research Advisory Board) and the Dean of Academic Affairs will review all the applications and letters to confer the MCLA Scholar designation. The MCLA Scholar designation should also be indicated on the students' official transcript.

### **First Year Experience (FYE)**

The "First-Year Experience" describes a comprehensive, intentional and integrated approach to the first college year. 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, and introduce students to the value of a liberal arts education.

### **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 grade point average of 2.0 in the minor

program requirements will be required of each graduating student.

5. 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.
6. 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.
7. A student's final 15 credits of coursework must be completed at MCLA.
8. At least 39 of the 120 credits must be in upper-division work (300-500 level).
9. A graduation requirement of two credits of physical education.
10. Application for graduation must be filed with the Registrar's Office.

### **Honors Societies And Special Recognition (Cord Colors)**

#### **Alpha Chi**

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

Colors: Gold Medallion on a Blue and Green Cord

#### **Alpha Lambda Delta (First Year)**

Alpha Lambda Delta is a national society that honors academic excellence during a student's first year in College. Its purpose is to encourage superior academic achievement among students in the first year, to promote intelligent living and a high standard of learning, and to assist students in recognizing and developing meaningful goals for their roles in society.

Colors: Gold, Red, White Cords

#### **Alpha Psi Omega (Drama)**

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

#### **Delta Mu Delta (Business)**

Delta Mu Delta is a national honor society for business administration majors, with membership in chapters at fully accredited private and public colleges and universities across the country.

Colors: Purple, Gold Cords

#### **Sigma Tau Delta**

Sigma Tau Delta is an International English Honor Society established in 1924 to confer distinction for high achievement in English language, literature, and writing. It is the second largest member of the Association of College Honor Societies (ACHS).

Colors: Red and Black.

#### **Phi Alpha Theta (History)**

Phi Alpha Theta is a professional society for promoting the study of history through the encouragement of research, good teaching, publication, and the exchange of ideas among historians. It brings students, teachers, and writers of history together both intellectually and socially.

Colors: Madonna Red and Blue with Multi-Colored Tassel Cords

#### **Pi Sigma Alpha (Political Science)**

Pi Sigma Alpha is the only honor society for college students of political science in the United States. Its purpose is to stimulate scholarship and interest in the area of government and politics.

Colors: Red, White and Black Multi-Colored Tassel Cords

#### **Psi Chi (Psychology)**

Psi Chi is the national honor society in psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship and advancing the science of psychology. Psi Chi is a member of the Association of College Honor Societies and is affiliated with both the American Psychological Association and the American Psychological Society, the professional societies for psychologists in the United States.

Colors: Gold, Blue Cords and Medallion

#### **ALANA (African, Latino, Asian, Native American)**

ALANA students are presented with a traditional African Kente cloth scarf as part of graduation ceremonies. Kente cloth was first produced by the Ashanti people of Ghana in Southwest Africa to honor kings and queens. Kente cloth was worn during ceremonial events and special occasions and, therefore, denotes

the formal nature of earning the baccalaureate.

Colors: Kente Cloth

### **Women's Studies Minor**

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

Colors: Purple Cords

### **Order of Omega**

Order of Omega is a national Greek honor society. Founded in 1959, the Order of Omega recognizes members of Greek letter organizations who demonstrate dedication to service and excellent scholarship.

Colors: White, Gold Cords

### **Rho Pi Sigma**

Rho Pi Sigma is the MCLA chapter of the National Residence Hall Honorary (NRHH). Rho Pi Sigma honors and recognizes outstanding members of the MCLA residence hall system and promotes a higher quality and standard of involvement and interaction within the residence area communities. Membership is limited to 20 individuals, and selection is based on the demonstration of exceptional leadership within the residence areas, a record of stellar campus citizenship, and active membership on a Residential Programs and Services (RPS) advisory board or committee.

Colors: Blue, White Cords

### **All Academic Scholar Athletes (Athletics)**

All Academic Scholar Athlete designation is awarded to graduating student-athletes who have competed in intercollegiate athletics during their senior year and who have earned a cumulative grade point average of 3.20 or higher.

Colors: Gold sash with MCLA and MASCAC insignias

### **Student Philanthropy Program**

The Student Philanthropy Program was introduced in 2015 and embeds the practice of giving back, and the impact that philanthropy made on their educational experience. The spirit cord represents the importance of philanthropy and is a symbol of commitment to support the College, through the donation of a gift as a graduating senior, and future member of the Alumni Association.

Colors: Blue and Gold Cord

### **Sigma Pi Sigma (Physics)**

Sigma Pi Sigma is the national honor society in physics. Founded in 1921, Sigma Pi Sigma exists to honor out-



standing scholarship in physics, to encourage interest in physics among students at all levels, to promote an attitude of service, and to provide a fellowship of persons who have excelled in physics.

Colors: white and green cord

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## ACADEMIC PROGRAMS OF STUDY

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**Art** - [www.mcla.edu/art](http://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](http://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](http://www.mcla.edu/athletictraining)

- Athletic Training, B.S.

**Biology** - [www.mcla.edu/biol](http://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 Minor

**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)

**Business Administration and Economics** - [www.mcla.edu/badm](http://www.mcla.edu/badm)

- Business Administration, B.S.
- Business Administration, Accounting 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, MBA, Masters of Business Administration
- Business Administration Minor
- Economics Minor
- Marketing Minor

**Chemistry** - [www.mcla.edu/chem](http://www.mcla.edu/chem)

- Chemistry, B.S.
- Chemistry, Biochemistry Concentration, B.S.
- Chemistry Minor

**Chemistry Licensure Programs**

- Chemistry, Secondary Education Licensure, B.S. (Dual major in Education is also available.)
- Chemistry, Middle School Education Licensure, B.S. (Dual major in Education is also available.)

**Computer Science and Information Technology** - [www.mcla.edu/csci](http://www.mcla.edu/csci)

- Computer Science, B.S.
- Computer Science, Information Technology Concentration, B.S.
- Computer Science Software Development Concentration, B.S.
- Computer Science, Bioinformatics Concentration, B.S.
- Computer Science, Business Information Systems Concentration, B.S.
- Computer Science Minor
- Information Technology Minor

**Education** - <http://mcla.edu/Academics/undergraduate/education/index>

- Education, B.S.
- Sport Coaching Minor
- Education, MEd - [www.mcla.edu/med](http://www.mcla.edu/med)
- 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](http://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 and Corporate Communications Concentration, B.A.
- English, Film Studies Concentration, B.A.
- English Minor
- Literature Minor
- Creative Writing Minor

**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)

**Environmental Studies** - [www.mcla.edu/envi](http://www.mcla.edu/envi)

- Environmental Studies, B.S.
- Environmental Studies Minor
- Earth Science Minor

**Fine & Performing Arts** - [www.mcla.edu/fpa](http://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.
- Art Minor
- Arts Management Minor
- Art History Minor
- Music Minor
- Theatre Minor

**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)

**History, Political Science & Public Policy** - [www.mcla.edu/hist](http://www.mcla.edu/hist)

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

**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 awarded)
- 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)

**Interdisciplinary Studies** - [www.mcla.edu/idst](http://www.mcla.edu/idst)

- Interdisciplinary Studies, B.A.
- Interdisciplinary Studies, American Studies Concentration, B.A.
- Interdisciplinary Studies, Cultural Studies Concentration, B.A.
- Interdisciplinary Studies, Green and Sustainable Business Management Concentration, B.A.
- Interdisciplinary Studies, Immigration and Diversity Studies Concentration, B.A.
- Interdisciplinary Studies, International and Global Studies Concentration, B.A.
- Cross-Cultural & Social Justice Studies Minor (Social Justice Track)
- Cross-Cultural & Social Justice Studies Minor (Cross-Cultural Track)
- Leadership Minor

**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)

**Mathematics** - [www.mcla.edu/math](http://www.mcla.edu/math)

- Mathematics, B.A.
- Mathematics, Middle School Math Education Concentration, B.A.
- Mathematics, Secondary School Math Education Concentration, B.A.
- Mathematics Minor

**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)

**Modern Language** - [www.mcla.edu/span](http://www.mcla.edu/span)

- Spanish Minor

**Philosophy** - [www.mcla.edu/phil](http://www.mcla.edu/phil)

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

**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)

**Physics** - [www.mcla.edu/phys](http://www.mcla.edu/phys)

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

**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)

**Political Science/Public Policy** - [www.mcla.edu/posc](http://www.mcla.edu/posc)

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

**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)

**Psychology** - [www.mcla.edu/psyc](http://www.mcla.edu/psyc)

- Psychology, B.A.
- 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

**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)

**Sociology, Anthropology, Social Work** - [www.mcla.edu/soci](http://www.mcla.edu/soci)

- Sociology, B.A.
- Anthropology Minor
- Child and Family Studies Minor
- Criminal Justice Minor
- Health, Aging, and Society Minor
- Social Work Minor
- Sociology Minor

**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)

**Multi-Discipline Programs**

- Honors Program - [www.mcla.edu/honors](http://www.mcla.edu/honors)
- Women's Studies Minor - [www.mcla.edu/wmst](http://www.mcla.edu/wmst)
- Child and Family Studies Minor - [www.mcla.edu/soci](http://www.mcla.edu/soci)
- Health, Aging, and Society Minor - [www.mcla.edu/soci](http://www.mcla.edu/soci)
- Pre-Law Advising - <http://www.mcla.edu/Academics/undergraduate/historypoliticalscience/Pre-Law-at-MCLA/index>

For detailed information pertaining to academic programs, please go to <http://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, 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
Language Arts	3 cr

**TIER II CORE DOMAINS**

Creative Arts	6 cr
Human Heritage	6 cr
Self & Society	6 cr
Science & Technology	7-8 cr
(Two courses - at least one must have laboratory)	

**TIER III CAPSTONE EXPERIENCE** 3 cr

**TOTAL CORE CURRICULUM REQUIREMENTS** 37-38 cr

**TIER I - CORE FOUNDATIONS CRITICAL READING, THINKING, WRITING**

ENGL	150	College Writing II
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**QUANTITATIVE REASONING**

MATH	102	Mathematics for Liberal Arts
MATH	150	Precalculus

MATH	220	Calculus I
MATH	232	Introduction to Statistics

**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. 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:

- Describe techniques, processes and concepts that creative artists use in their work;
- Discuss personal encounters with the creative arts within broader historical and cultural contexts;
- Articulate the significance of the creative arts, artistic expression and experience in today's world.

**Courses Fulfilling Creative Arts Tier II Domain**

CCCA	101	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	Contemporary American 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
THEA	120	Introduction to Performance
THEA	200	Introduction to Theatre
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.

**Courses Fulfilling Human Heritage Tier II Domain**

CCHH	101	Utopian Visions Fact & Fiction
CCHH	210	American Women Regionalist Writers
CCHH	220	Popular History and Biography
CCHH	221	Divine Witness
CCHH	223	The Great Depression
ENGL	265	Literary Theme
HIST	104	Modern World Civilization
HIST	203	United States History to 1877
HIST	204	United States History after 1877
HONR	100	The Nature of Human Nature
IDST	150	Introduction Cross- Cultural & Social Justice Studies
IDST	224	The Nuclear Age
PHIL	100	A First Course in Philosophy
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	Contemporary Issues in Society
CCSS	102	Snapshots of Society
CCSS	202	World Regions & New Global Order
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	268	Culture and the Body
CCSS	269	Education and Society
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	Social Constructions of Deviance
WMST	201	Introduction to Women's Studies

**SCIENCE AND TECHNOLOGY**

- Students can demonstrate knowledge of natural science content.
- Students can apply content knowledge to solve problems and make informed decisions.
- Students can communicate scientific findings orally and/or in writing.
- Students can interpret and generate graphs from scientific data.
- Students can apply scientific practices to test a hypothesis or answer a question.
- Students can find media (e.g., popular or scholarly literature) focusing on scientific topics and evaluate the reliability of the source.

CCST	101	Basic Concepts Physics & Chemistry
CCST	102	Case Study Approach to Science
CCST	103	Quarks to Quasars
CCST	105	The Chemistry of CSI
CCST	105H	Honors: The Chemistry of CSI
CCST	106	The Physics of Superheros
CCST	230	Energy and the Environment

**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	150H	Honors: Intro to Environ System
ENVI	152	Environmental Resources: Science & Management
ENVI	152H	Honors: Environmental Resources: Science and Management
ENVI	225	Nature of New England 4 cr.
ENVI	226	Nature of New England 3 cr.
ERTH	151	Introduction to Physical Geography
ERTH	152	Introduction to Physical Geology
ERTH	245	Natural Hazards
ERTH	270	Weather and Climate
ERTH	271	Landforms
PHYS	115	Physics for Future Presidents
PHYS	120	Introduction to Engineering
PHYS	131	General Physics I
PHYS	132	General Physics II
PHYS	140	Astronomy
PHYS	151	Introduction to Mechanics
PHYS	251	Introduction to Electricity & Magnetism

**TIER III - CAPSTONE EXPERIENCE**

In the Capstone Senior Seminar students apply academic learning to the context of contemporary local and global communities.

Upon completion of the CCAP 300 Capstone Seminar students will be able to:

- 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
- Feminism and Theatre
- From DNA to Homo Sapiens
- Berkshire Art, Industry & Tourism
- Service Leadership
- News Literacy
- Light, Sight & Insight
- Changing North American Landscape
- Entrepreneurship & Culture
- Environmental Communications
- The Physics Circus
- Postmodern Condition
- North American Politics & Policies
- Representations of Nature
- Food, Nutrition, & Culture
- Reading W.E.B. DuBois
- The Creative Economy of the Berkshires
- Ecotourism
- Film as Philosophy
- Conversations on Race in American Society
- Community Engagement in the Arts

# ART

(413) 662-5255, www.mcla.edu/art  
Chairperson: Christine Condaris, Ph.D.  
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 125	Intro Sculpture	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 312	Form & Composition	3 cr
ART 480	Senior Art Project	3 cr

**TOTAL FOUNDATION COURSES 36 cr**

**Student-Designed Concentration** (seven courses) All students select

**Studio and Production Classes:** Select five courses of which 3 must be 300 level or higher.

### Studio and Production

ART 235	Introduction to Studio Techniques
ART 305	The Human Figure
ART 306	The Concrete Poem
ART 315	Intermediate Art Lab
ART 335	Studio
ART 412	Advanced Art Lab
ART 435	Advanced Studio Techniques
ART 510	Studio Art Teaching Assistantship
FPA 500	Supervised Independent Study
FPA 540	Internship in Fine & Performing Arts

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

**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

**TOTAL ART MAJOR REQUIREMENTS 57 cr**

### 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.

### 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)		

**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 AMGT335 Museum Studies		
ART 311	Topics in Art (Different Topic)	3 cr
OR AMGT435 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/amgt  
Chairperson: Christine Condaris, Ph.D.  
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 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. 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
AMGT 235	Fundamentals of Arts Organizations	3 cr
ART 117	Great Monuments of Art I	3 cr
ECON 141	Macroeconomics	3 cr
MUSI 251	Introduction to Music	3 cr
THEA 200	Introduction to Theatre	3 cr

**TOTAL FOUNDATION COURSES 18 cr**

### Arts Management Courses

AMGT 245	Arts Marketing	3 cr
AMGT 255	Financial Management in the Arts	3 cr
AMGT 305	Writing in the Arts	3 cr
AMGT 330	Grants & Fund Raising	3 cr
AMGT 335	Museum Studies	3 cr
AMGT 340	Performing Arts Management	3 cr
AMGT 345	Community Arts and Education	3 cr
AMGT 375	Arts Leadership	3 cr
FPA 540	Internship	3 cr

**TOTAL ARTS MANAGEMENT REQUIREMENTS 27 cr**

Select three electives from the following list:

AMGT 430	Topics in Arts Management
AMGT 435	Advanced Museum Studies
BADM 384	Marketing Communication
BADM 387	Service & Event Marketing
BADM 490	Special Topics in Business Administration (Topic relevant to Arts Management)
ECON 377	Economics of Culture and Tourism
ENGL 318	The Popular Arts as Business (film & TV production, music production, magazine publication)



FPA 500 Supervised Independent Study	
<b>TOTAL ELECTIVES COURSE</b>	<b>9 cr</b>
<b>TOTAL ARTS MANAGEMENT MAJOR REQUIREMENTS</b>	<b>54 cr</b>

**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 Fundamentals to Arts Organizations	3 cr
AMGT 330 Grants/Fund Raising	3 cr
AMGT 255 Financial Management in the Arts	3 cr
Electives (Choose two courses)	6cr
AMGT 245 Arts Marketing	
AMGT 305 Writing in the Arts	
AMGT 335 Museum Studies	
AMGT 340 Performing Arts Management	
AMGT 345 Community Arts and Education	
AMGT 375 Arts Leadership	
<b>TOTAL ARTS MANAGEMENT MINOR REQUIREMENTS</b>	<b>18 cr</b>

**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) 662-5302, www.mcla.edu/attr  
Program Director: Peter Hoyt, Ph.D.  
Email: Peter.Hoyt@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 chal-

lenging 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 Bachelor 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 program website at: www.mcla.edu/attr

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 through out the program;
- Demonstrate professional and ethical behavior consistent with the National Athletic Trainers' Association Code of Ethics and the Massachusetts Standards of Practice and Code of Ethics for Athletic Training;
- Demonstrate mastery of cognitive and psycho motor competencies, as well as clinical proficiencies outlined by the National Athletic Training Association Education Council;
- 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) 662-5344, www.mcla.edu/biol  
Chairperson: Anne Goodwin, Ph.D.  
Email: Anne.Goodwin@mcla.edu

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

**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**

BIOL 101 Biology Seminar for Entering Majors	1 cr
BIOL 150 Introduction to Biology	4 cr
BIOL 235 Botany	4 cr
BIOL 240 Genetics	4 cr
BIOL 245 Zoology	4 cr
BIOL 330 Seminar	1 cr
BIOL 460 Ecology	4 cr
BIOL 480 Cell Biology	4 cr

Biology Electives (300 level or above)	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 Pre-Calculus	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, veterinary 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**

BIOL 101 Biology Seminar for Entering Majors	1 cr
BIOL 150 Introduction to 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 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
CHEM150 Introduction to Chemistry I	4 cr
CHEM152 Introduction to Chemistry II	4 cr
CHEM201 Organic Chemistry I	4 cr
CHEM202 Organic Chemistry II	4 cr

Biology Electives (300 level or above)	6 cr
MATH 150 Pre-Calculus	
OR MATH220 Calculus I	
OR MATH232 Introduction to Statistics	

**TOTAL PRE-PROFESSIONAL CONCENTRATION REQUIREMENTS 62 cr**

**MCLA-NEW YORK COLLEGE OF PODIATRIC MEDICINE ARTICULATION PROGRAM**

This agreement allows MCLA students with a pre-professional concentration 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 requirements 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.

**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 & 152 General Chemistry I & II	8 cr
CHEM 201 & 202 Organic Chemistry I & II	8 cr
MATH232 Introduction to Statistics	3 cr
PHYS 131 & 132 General Physics I & II	8 cr
PSYC 100 Introduction to Psychology	3 cr

PSYC 210 Developmental Psychology	3 cr
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**TOTAL PRE-PHYSICAL THERAPY CONCENTRATION REQUIREMENTS 62 cr**

**MCLA-SAGE COLLEGE ARTICULATION PROGRAM IN PRE PHYSICAL THERAPY**

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. 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 receive preferential acceptance into the Doctor of Physical Therapy program at The Sage Colleges. Please contact Dr. Anne Goodwin for more information about this program.

**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. Anne Goodwin for more information about this program. Students must acquire a minimum overall GPA of 3.25 in their undergraduate program and in the following 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	3 cr
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 neces-

sary 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**

BIOL 101 Biology Seminar for Entering Majors	1 cr
BIOL 150 Introduction to Biology	4 cr
BIOL 235 Botany	4 cr
BIOL 240 Genetics	4 cr
BIOL 245 Zoology	4 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	1 cr
BIOL 150 Introduction to Biology	4 cr

BIOL 235 Botany	4 cr
BIOL 240 Genetics	4 cr
BIOL 245 Zoology	4 cr
BIOL 320 Microbiology	4 cr
BIOL 330 Biology Seminar	1 cr
BIOL 360 Biochemistry	3 cr
BIOL 390 Biometry	3 cr
BIOL 410 Biotechniques	4 cr
BIOL 480 Cell Biology	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
PHYS 131 General Physics I	4 cr
PHYS 132 General Physics II	4 cr
MATH 150 Pre-Calculus	3 cr
OR MATH 232 Intro to Statistics	
OR MATH 220 Calculus	
CSCI 243 Database development	3 cr
BIOL 420 Bioinformatics	3 cr

**TOTAL BIOTECHNOLOGY CONCENTRATION REQUIREMENTS 69 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.

BCC Program-Specific Courses	26 cr
BCC General Education Courses	36 cr
*MCLA Program-Specific Courses	42 cr
*MCLA Graduation Req	17 cr

**Tier III 3 cr**

Additional Upper Level Reqs	12 cr
Physical Education Req	2 cr
BIOL 101 Seminar	1 cr
BIOL 240 Genetics	4 cr
BIOL 245 Zoology	4 cr
BIOL 320 Microbiology	4 cr
BIOL 330 Seminar	1 cr
BIOL 360 Biochemistry	3 cr
BIOL 390 Biometry	3 cr
BIOL 410 Biotechniques	4 cr
BIOL 420 Bioinformatics	3 cr
BIOL 480 Cell Biology	4 cr
CSCI 243 Database Development	3 cr
PHYS 131 General Physics I	4 cr

PHYS 132 General Physics II 4 cr

**TOTAL MCLA – BERKSHIRE COMMUNITY COLLEGE BIOTECHNOLOGY ARTICULATION AGREEMENT REQUIREMENTS 121 cr**

**CONCENTRATION IN ALLIED HEALTH**

The Biology Department's Allied Health Concentration provides the science background required for the most post-baccalaureate programs in allied health professions such as physician assistant, nurse practitioner, registered nurse, and nutritionist.

BIOL 101 Biology Seminar for Majors 1 cr  
 BIOL 150 Introduction to Biology 4 cr  
 BIOL 235 Botany 4 cr  
 OR BIOL 245 Zoology 4 cr  
 BIOL 240 Genetics 4 cr  
 BIOL 250 Nutrition 3 cr  
 BIOL 320 Microbiology 4 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 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  
 MATH 232 Introduction to Statistics 3 cr

**TOTAL ALLIED HEALTH CONCENTRATION REQUIREMENTS 63 cr**

In addition, an articulation agreement with the The Sage Colleges in Albany, NY ensures that the students who meet admission requirements at Sage and fulfill department and articulation requirements at MCLA will be accepted into the Master's of Science in Applied Nutrition program at The Sage Colleges.

**BIOLOGY MINOR PROGRAM**

**Requirements**  
 BIOL 100 Concepts in Biology  
 OR BIOL 150 Introduction to Biology 4 cr  
 Choose one of the following: 4 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 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: James Moriarty, M.B.A.  
 Email: J.Moriarty@mcla.edu

- PROGRAMS AVAILABLE**
- BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION**
  - GENERAL BUSINESS ADMINISTRATION**
  - ACCOUNTING CONCENTRATION**
  - EVENT & SPORT MANAGEMENT CONCENTRATION**
  - INTERNATIONAL BUSINESS CONCENTRATION**
  - MANAGEMENT CONCENTRATION**
  - MARKETING CONCENTRATION**
  - BUSINESS ADMINISTRATION MINOR**
  - ECONOMICS MINOR**
  - MARKETING MINOR**

**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 respon-

sible citizenship. The program has several options, including a general program in business administration, as well as five areas of concentration. All of our options offer a strong foundation of required courses, combined with relevant 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 ideas effectively orally and in writing;
- Apply appropriate technology to contemporary business problems;
- Be prepared to function effectively in a culturally and demographically diverse environment;
- Respond to the needs of the global business community;
- Utilize and value a liberal arts education in one's personal and professional life.

**GENERAL BUSINESS ADMINISTRATION**

**Requirements**

BADM 100 Explorations in Business 3 cr  
 BADM 206 Math Methods of Business & Economics 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 BADM201 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  
 ECON 141 Macroeconomics 3 cr  
 ECON 142 Microeconomics 3 cr  
 ECON 216 Statistics for Economics and Business 3 cr  
 Required Support Courses  
 ENGL 303 Writing Prose 3 cr  
 OR ENGL305 Magazine Writing and Editing  
 OR ENGL306 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 prerequisites have been met (see course listings). One of these four courses may be chosen

from a departmental approved list of non-business administration/economics courses.

**TOTAL BUSINESS ADMINISTRATION MAJOR REQUIREMENTS 54 cr**

**CONCENTRATION IN ACCOUNTING**

**Requirements**

BADM 100 Explorations in Business 3 cr  
 BADM 206 Math Methods of Business & Economics 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  
 ECON 141 Macroeconomics 3 cr  
 ECON 142 Microeconomics 3 cr  
 ECON 216 Statistics for Economics and Business 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 (e.g., CPA licensure) will determine the most appropriate courses to take in this category. Students should discuss these options with their faculty advisor.

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 EVENT & SPORT MANAGEMENT**

**Requirements**

BADM 100	Explorations in Business	3 cr
BADM 206	Math Methods of Business & Economics	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
ECON 141	Macroeconomics	3 cr
ECON 142	Microeconomics	3 cr
ECON 216	Statistics for Economics and Business	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
BADM 475	Seminar in Sport & Event Management	3 cr

ECON 377 Economics of Culture & Tourism 3 cr  
**Select two of the following:** 6 cr

BADM 366	Team Facilitation	
BADM 384	Marketing Communications	
ENGL 318	Popular Arts as Business	

**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 Management	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	
PSYC 376	Sport Psychology	
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
BADM 206	Math Methods of Business & Economics	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 BADM201 Business Law I

BADM 260	Management	3 cr
BADM 270	Marketing	3 cr
BADM 340	Financial Management	3 cr
BADM 350	Global Business & Economic Issues	3 cr
BADM 385	Global Marketing	3 cr
BADM 510	Seminar in Business Policy	3 cr
ECON 141	Macroeconomics	3 cr
ECON 142	Microeconomics	3 cr
ECON 216	Statistics for Economics & Business	3 cr
ECON 340	Money, Banking & Global Financial Markets	3 cr
ENGL 400	Intercultural Communication	3 cr

Choose two of the following: 6 cr

HIST 401	Asia and the West	
TRVL 300	Multinational Corp & Cultural Tour China	
OR six credits drawn from appropriate History, Political Science, Anthropology, Travel and/or Study Abroad courses. Students should discuss these options with their faculty advisor.		

**Required Support Courses**

ENGL 303	Writing Prose	3 cr
OR ENGL305	Magazine Writing and Editing	
OR ENGL306	Business Writing and Presentation	

**TOTAL INTERNATIONAL BUSINESS**

**CONCENTRATION REQUIREMENTS 60 cr**

**CONCENTRATION IN MANAGEMENT**

**Requirements**

BADM 100	Explorations in Business	3 cr
BADM 206	Math Methods of Business & Economics	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
ECON 141	Macroeconomics	3 cr
ECON 142	Microeconomics	3 cr
ECON 216	Statistics for Economics & Business	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	Contemporary Business & Organizational Issues or any unselected course from 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 courses from the management concentration.

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
BADM 206	Math Methods of Business & Economics	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
ECON 141	Macroeconomics	3 cr
ECON 142	Microeconomics	3 cr
ECON 216	Statistics for Economics & Business	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 from BADM 380, BADM 381, BADM 382, or BADM 384.		

Choose any two departmental electives (BADM or ECON prefix), 300 level or higher, which may include any unselected courses from the marketing concentration.

6 cr

**Required Support Courses**

ENGL 303	Writing Prose	3 cr
OR ENGL305	Magazine Writing and Editing	
OR ENGL306	Business Writing and Presentation	

**TOTAL MARKETING CONCENTRATION REQUIREMENTS 60 cr**

**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 prerequisites 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 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 prerequisites)		
BADM 384	Marketing Communications	

BADM 385	Global Marketing	
BADM 386	Sport Marketing	
(has additional prerequisites)		
BADM 387	Service & Event Marketing	
<b>TOTAL MARKETING MINOR REQUIREMENTS 21 cr</b>		

**CHEMISTRY**

(413) 662-5451, www.mcla.edu/chem  
 Chairperson: Robert Harris, Ph.D.  
 Email: Robert.Harris@mcla.edu

**PROGRAM AVAILABLE  
 BACHELOR OF SCIENCE IN CHEMISTRY  
 CONCENTRATION IN BIOCHEMISTRY  
 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, inorganic, and 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 or physical chemistry
- Apply chemical principles through problem solving and laboratory experimentation
- Demonstrate competency in use of basic laboratory instruments.

**CHEMISTRY MAJOR**

**Requirements**

BIOL 150	Introduction to Biology	4 cr
BIOL 360	Biochemistry	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
CHEM 250	Inorganic Chemistry	3 cr
CHEM 301	Physical Chemistry I	3 cr
CHEM 302	Physical Chemistry II	3 cr
CHEM 310	Analytical Chemistry	4 cr

CHEM 401	Advanced Laboratory	3 cr
CHEM 410	Instrumentation lab	3 cr
CHEM 490	Chemistry Seminar	1 cr
MATH 150	Precalculus	3 cr
MATH 220	Calculus I	3 cr
MATH 320	Calculus II	3 cr
PHYS 151	Introduction Mechanics	4 cr
PHYS 251	Introduction to Electricity and Magnetism	4 cr

**TOTAL CHEMISTRY MAJOR REQUIREMENTS 60 cr**

**CONCENTRATION IN BIOCHEMISTRY**

**Requirements**

BIOL 150	Introduction to Biology	4 cr
BIOL 360	Biochemistry	3 cr
BIOL 361	Advanced Biochemistry	3 cr
BIOL 410	Biotechniques	3 cr
CHEM 150	Introduction to Chemistry I	4 cr
CHEM 152	Introduction to Chemistry II	4 cr
CHEM 201	Organic Chemistry	4 cr
CHEM 202	Organic Chemistry II	4 cr
CHEM 250	Inorganic Chemistry	3 cr
CHEM 310	Analytical Chemistry	4 cr
CHEM 301	Physical Chemistry I	3 cr
CHEM 410	Instrumental Methods	3 cr
CHEM 490	Chemistry Seminar	1 cr
MATH 150	Precalculus	3 cr
MATH 220	Calculus I	3 cr
MATH 320	Calculus II	3 cr
PHYS 151	Introduction Mechanics	4 cr
PHYS 251	Introduction to Electricity and Magnetism	4 cr

**TOTAL CONCENTRATION BIOCHEMISTRY REQUIREMENTS 60 cr**

**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**

**TEACHING LICENSURE**

Students majoring in chemistry may opt to pursue initial teacher licensure as an early childhood teacher or elementary teacher. Also, Chemistry majors may pursue initial

licensure as a teacher of chemistry for the middle school or secondary levels. Students seeking any of these licensures must complete a chemistry major, education major and a licensure program in education.

**COMPUTER SCIENCE AND INFORMATION SYSTEMS**

(413) 662-5014, www.mcla.edu/csci  
 Chairperson: Mike Dalton, Ph.D.  
 Email: Mike.Dalton@mcla.edu

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE  
 SOFTWARE DEVELOPMENT CONCENTRATION  
 INFORMATION TECHNOLOGY CONCENTRATION  
 BUSINESS INFORMATION  
 SYSTEMS CONCENTRATION  
 BIOINFORMATICS CONCENTRATION  
 COMPUTER SCIENCE MINOR  
 INFORMATION TECHNOLOGY MINOR**

**COMPUTER SCIENCE MAJOR PROGRAM**

The Department of Computer Science offers a four-year program leading to a Bachelor of Science in Computer Science, with one of four concentrations. Students majoring in other departments may complete a minor in computer science or a minor in information technology.

Computer science 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 standalone 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

Students must select one of the following concentrations: Information Technology, Software Development, Bioinformatics, or Business Information Systems.

#### SOFTWARE DEVELOPMENT CONCENTRATION 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 210	Networking Theory and Administration I	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 318	Computer Organization and Assembly Language	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 361	Data Structures and Algorithms	3 cr
CSCI 362	Operating Systems	3 cr
CSCI 390	Junior Qualification	1 cr
CSCI 452	Software Engineering	3 cr
CSCI 461	Senior Project I	1 cr
CSCI 462	Senior Project II	1 cr
ENGL 306	Business Writing and Presentation	3 cr
MATH 250	Discrete Math	3 cr
PHYS 131	General Physics I	4 cr
OR PHYS 151	Introduction to Mechanics	

#### TOTAL SOFTWARE DEVELOPMENT CONCENTRATION REQUIREMENTS 62 cr

#### INFORMATION TECHNOLOGY CONCENTRATION Requirements

CSCI 101	Introduction to Computer Science	3 cr
CSCI 121	Programming in Java I	3 cr
OR CSCI 246	Programming in C# I	
CSCI 122	Programming in Java II	3 cr
OR CSCI 248	Programming in C# II	
CSCI 210	Network Administration I	3 cr
CSCI 211	Network Administration II	3 cr
CSCI 235	Digital Circuit Design	4 cr
CSCI 236	Web Development	3 cr

CSCI 243	Database Development	3 cr
CSCI 302	Computer Triage	3 cr
CSCI 330	Programming in C++	3 cr
CSCI 360	Network Security I	3 cr
CSCI 363	Network Security II	3 cr
CSCI 343	Server-Side Software Development	3 cr
CSCI 461	Senior Project I	1 cr
CSCI 462	Senior Project II	1 cr
ENGL 306	Business Writing	3 cr
MATH 200	Level	3 cr
MATH 250	Discrete Mathematics	3 cr

#### TOTAL INFORMATION TECHNOLOGY CONCENTRATION REQUIREMENTS 51 cr

#### BUSINESS INFORMATION SYSTEMS CONCENTRATION Requirements

BADM 206	Math Methods for Business and Economics	3 cr
BADM 210	Information Technology for Business	3 cr
BADM 224	Financial Accounting	3 cr
BADM 310	Advanced Information Technology for Business	3 cr
BADM 340	Financial Management	3 cr
CSCI 101	Introduction to Computer Science	3 cr
CSCI 236	Web Development	3 cr
CSCI 243	Database Development	3 cr
CSCI 246	Programming in C# I	3 cr
CSCI 248	Programming in C# II	3 cr
CSCI 252	Systems Development	3 cr
CSCI 346	Programming in Visual Studio	3 cr
CSCI 352	Business Information Systems	3 cr
CSCI 461	Senior Project I	1 cr
CSCI 462	Senior Project II	1 cr
ECON 141	Macroeconomics	3 cr
ENGL 306	Business Writing	3 cr

#### TOTAL BUSINESS INFORMATION SYSTEMS CONCENTRATION REQUIREMENTS 47 cr

#### BIOINFORMATICS CONCENTRATION Requirements

BIOL 150	Introduction to Biology	4 cr
BIOL 235	Botany OR BIOL 245 Zoology	4 cr
BIOL 240	Genetics	4 cr
BIOL 390	Biometry	3 cr
BIOL 410	Biotechniques	4 cr
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 243	Database Development	3 cr

CSCI 330	Programming in C++	3 cr
CSCI 350	Introduction to Parallel Computing	3 cr
CSCI 362	Operating Systems	3 cr
CSCI 361	Data Structures and Algorithms	3 cr
CSCI 420	Introduction to Bioinformatics	3 cr
CSCI 461	Senior Project I*	1 cr
CSCI 462	Senior Project II*	1 cr
MATH 250	Discrete Mathematics	3 cr

#### TOTAL BIOINFORMATICS CONCENTRATION REQUIREMENTS 51 cr

\* Senior project must be related to bioinformatics and must be co-advised by CS and Biology faculty

#### 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
CSCI 361	Data Structures and Algorithms	3 cr

#### TOTAL COMPUTER SCIENCE MINOR REQUIREMENTS 25 cr

#### INFORMATION TECHNOLOGY MINOR Requirements

CSCI 121	Programming in Java I	3 cr
CSCI 122	Programming in Java II	3 cr
CSCI 210	Networked Theory and Administration I	3 cr
CSCI 236	Web Development	3 cr
CSCI 243	Database Development I	3 cr
CSCI 343	Server-Side Software Development	3 cr
CSCI 352	Business Information Systems	3 cr

#### TOTAL INFORMATION TECHNOLOGY MINOR REQUIREMENTS 21 cr

## EDUCATION

(413) 662-5381, www.mcla.edu/educ  
Chairperson: Dana Rapp, Ph.D.  
Email: D.Rapp@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 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

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, PreK, 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 multicultural society.

Students in the early childhood education program are prepared to teach and work in settings such as public schools (PreK-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
  - Fine and Performing Arts
  - History/Political Science
  - Interdisciplinary Studies (IDST)
  - Mathematics
  - Philosophy
  - Physics
  - Sociology
  - Chemistry\*

\*Pending approval by the DESE.

### Early Childhood Education License Requirements

CCCA	207	Children's Literature	3 cr
CCSS	269	Education & Society	3 cr
PHED	215	Lifetime Wellness	3 cr
OR PHED 108		Standard First Aid/CPR	1 cr
AND PHED		elective	1 cr
PSYC	208	Applied Developmental Psychology	3 cr
OR PSYC	210	Developmental Psychology	

#### Phase One

EDUC	338	Reading and Language Arts	3 cr
EDUC	340	Field Placement I	2 cr
EDUC	430	Teaching in an Inclusive Classroom	3 cr

#### Interphase:

EDUC	230	Program Development for Infant/ toddlers	3 cr
OR EDUC	324	Teaching Math/Science K-8	3 cr
EDUC	305	Program Development for 3, 4, and 5 year olds	3 cr

\*\*The passing of Communication and Literacy MTELs are a requirement to enter phase two.

#### Phase Two

EDUC	341	Field Placement II ECHE/ELEM	2 cr
EDUC	404	Sheltered English Instruction ECHE/ELEM	3 cr
EDUC	409	Curriculum and Instruction ECHE	3 cr
EDUC	420	Classroom Mngt/Tchg Strat ECHE/ELEM	3 cr

Application, Interview, and passing scores on all MTEL are required for admission to phase three.

#### Phase Three

EDUC	550	Practicum/Student Teaching Pre K-K	3 cr
EDUC	560	Practicum/Student Teaching Grade 1 or 2	6 cr
EDUC	561	Student Teaching Seminar	3 cr

OPTIONAL COURSES required for EEC  
 Infant and Toddler Lead Teacher Qualifications:

EDUC	150	Internship Infants and Toddlers	3 cr
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**TOTAL EARLY CHILDHOOD EDUCATION LICENSE REQUIREMENTS** **48-52 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
  - Fine and Performing Arts
  - History/Political Science
  - Interdisciplinary Studies (IDST)
  - Mathematics
  - Philosophy
  - Physics
  - Chemistry\*

\*Pending approval by the DESE.

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 commu-

nication 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. Upon completion of the ELEM program, the student is eligible for initial licensure (1-6).

**ELEMENTARY EDUCATION LICENSE**

**Requirements**

CCSS 269	Education and Society	3 cr
PSYC 208	Applied Developmental Psychology	3 cr
OR PSYC 210	Developmental Psychology	3 cr
CCCA 207	Children's Literature	3 cr
PHED 215	Lifetime Wellness	3 cr
OR PHED 108	Standard First Aid/CPR	1 cr
AND PHED	elective	1 cr
EDUC 324	Teaching Math/Science K-8	3 cr
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 One**

EDUC 338	Reading and Language Arts	3 cr
EDUC 340	Field Placement I	2 cr
EDUC 430	Teaching in an Inclusive Classroom	3 cr

\*\*The passing of Communication and Literacy MTELs are a requirement to enter phase two.

**Phase Two**

EDUC 341	Field Placement II ECHE/ELEM	2 cr
EDUC 404	Sheltered English Instruction ECHE/ELEM	3 cr
EDUC 412	Curriculum and Instruction Elementary	3 cr
EDUC 420	Classroom Mngt/Tchng Strat ECHE/ELEM	3 cr

Application, interview, and passing scores on all parts of the MTEL are required for admission to phase three.

**Phase Three**

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

**TOTAL ELEMENTARY EDUCATION LICENSE REQUIREMENTS 54-55 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
- Chemistry\*
- English
- History/Political Science
- Interdisciplinary Studies (IDST)\*\*
- Mathematics
- Physics

\* Pending approval by DESE.

\*\* 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 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 MDSE program the student is eligible for initial licensure (5-8).

**MIDDLE SCHOOL EDUCATION LICENSE**

**Requirements**

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

**Phase One**

EDUC 336	Reading/Content Area	3 cr
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EDUC 340	Field Placement I	2 cr
EDUC 430	Teaching in an Inclusive Classroom	3 cr

\*\*The passing of Communication and Literacy MTELs are a requirement to enter phase two.

**Phase Two**

EDUC 342	Field Placement II MDSE/SECE	2 cr
EDUC 405	Sheltered English Instruction MDSE/SECE	3 cr
EDUC 422	Classroom Mngt/Tchng Strat MDSE/SECE	3 cr
EDUC 414	Curriculum and Instruction Middle School	3 cr

Application, interview, and passing scores on all parts of the MTEL are required for admission to phase three.

**Phase Three**

EDUC 580	Practicum/Student Teaching Middle School	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 37-46 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	3 cr
PSYC 208	Applied Developmental Psychology	
OR PSYC 210	Developmental Psychology	
OR PSYC 386	Adolescent Development	3 cr

**Phase One**

EDUC 336	Reading/Content Area	3 cr
EDUC 340	Field Placement I	2 cr
EDUC 430	Teaching in an Inclusive Classroom	3 cr

\*\*The passing of Communication and Literacy MTELs are a requirement to enter phase two.

**Phase Two**

EDUC 342	Field Placement II MDSE/SECE	2 cr
EDUC 405	Sheltered English Instruction MDSE/SECE	3 cr
EDUC 416	Curriculum and Instruction Secondary	3 cr
EDUC 422	Classroom Mngt/Tchng Strat MDSE/SECE	3 cr

Application, Interview and passing scores on all parts of the MTEL are required for admission to phase three.

**Phase Three**

EDUC 590	Practicum/Student Teaching Secondary	9 cr
EDUC 591	Student Teaching Seminar	3 cr

Optional Second Major in Education Requires: Three Additional Education Electives 9 cr

**TOTAL SECONDARY EDUCATION LICENSE REQUIREMENTS 37 cr**

**WITH SECOND MAJOR 46 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 cur-

ricula 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).

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*	

\*These courses carry prerequisites that are not included in the listed requirements for the minor

**TOTAL SPORT COACHING MINOR REQUIREMENTS** **19 cr**

## ENGLISH/ COMMUNICATIONS

(413) 662-5371, www.mcla.edu/engl

Chairperson: Mark D. Miller, Ph.D.

Email: 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 human 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 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, Literary Studies, Public Relations and Corporate Communications, or Writing (Creative or Professional). Students graduating with a degree in English will be able to:

- Communicate effectively in oral, written, and other forms of discourse.
- Demonstrate an ability to work effectively in collaborative learning and problem-solving environments.
- Craft thoughtful, creative texts that demonstrate a keen sensitivity to language, form, style, and effect.
- Analyze texts closely and critically, demonstrating how languages, style, form, and genre create effects and shape meanings.
- Articulate an understanding of how cultural, historical, and ideological contexts condition both the creation and the reception of texts across time and in today's complex, diverse world.
- Use various critical methods and theoretical frameworks in scholarly dialogue with others about the interpretations of texts.

- Design and conduct research, applying it to problem-solving and contributing to various forms of public discourse.
- Employ relevant technologies in the production, critique, and presentation of texts.
- Reflect on how the knowledge and abilities developed in the English/Communications Department transfer meaningfully to other academic and non-academic, real-world situations.

### 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-	80Texts in Context (select one)	3 cr
ENGL	381-	95Diverse Voices in American Culture (select one)	3 cr
Any advanced writing course at 200 level or above			3 cr
ENGL	451	British Literary Survey	3 cr
OR ENGL461 American Literary Survey			
OR ENGL471 World Literary Survey			
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 foundation course)			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	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	382	Queer Identity in Contemporary Literature
ENGL	383	Whitman & the new World Poets
ENGL	384	Native American Literature
ENGL	385	Irish American Literature
ENGL	386	Jewish American Literature
ENGL	387	Latino/ 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 (In either the Creative Writing or Professional Writing Sequence)		18 cr
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**

<b>Foundation Courses 24 cr</b>
<b>Department Electives 6 cr</b>
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 News II 3 cr

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

**Choose electives from the following list:**

ENGL 205 Introduction to 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 Topics 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**

<b>Department Electives 6 cr</b>
ENGL 212 Radio Production 3 cr
ENGL 214 Basic Television Production and Broadcasting 3 cr
ENGL 314 Advanced Television Production and 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 200 level or above: 6 cr
ENGL 302 Creative Writing: Scripts
ENGL 316 Broadcast Delivery
ENGL 319 Global Issues in Communication
ENGL 481 Special Topics in Communications: Web-based Broadcast Journalism
ENGL 481 Special Topics in Communications (by subject)*
ENGL 500 Directed Independent Study
ENGL 540 Internship in English/Communications

**TOTAL BROADCAST MEDIA CONCENTRATION REQUIREMENTS 48 cr**

**CONCENTRATION IN FILM STUDIES Requirements**

<b>Foundation Courses 24 cr</b>
<b>Department Electives 6 cr</b>
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 Significations (If not used as Foundations course)
ENGL 500 Directed Independent Study
ENGL 540 Internship

**TOTAL FILM STUDIES 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: PR and Crisis Management 3 cr
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:
BADM 270 Marketing
BADM 384 Marketing Communications
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

**TOTAL PUBLIC RELATIONS AND CORPORATE COMMUNICATIONS CONCENTRATION REQUIREMENTS 48 cr**

**DEPARTMENTAL ELECTIVES**

**Requirement**

The six hours of English electives that complete the major's requirements provide flexibility within the major. Working closely with the departmental advisor, the student may choose electives 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.

**CREATIVE WRITING MINOR**

**Requirements**

ENGL 208 Experiments in Creative Writing 3 cr
ENGL 250 Introduction to Literature 3 cr
Three of the following courses 9 cr
ENGL 202 Personal Essay
ENGL 300 Creative Writing: Fiction
ENGL 301 Creative Writing: Poetry
ENGL 302 Writing: Scripts

ENGL 303 Writing Prose
ENGL 304 Creative Writing: Playwriting
ENGL 500 Independent Study
One of the following courses 3 cr
ENGL 430 Advanced Poetry Workshop
ENGL 435 Advanced Fiction Workshop

**TOTAL CREATIVE WRITING MINOR REQUIREMENTS 18 cr**

**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 381-95 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) 662-5301, www.mcla.edu/envi

Acting Chairperson: Daniel Shustack, Ph.D.

Email: Daniel.Shustack@mcla.edu

### PROGRAMS AVAILABLE

#### BACHELOR OF SCIENCE IN ENVIRONMENTAL STUDIES

#### ENVIRONMENTAL STUDIES MINOR EARTH SCIENCE 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 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	2 cr
ENVI 310	Politics & Environmental Policy	3 cr
ENVI 320	Methods in Environmental Research	4 cr
ENVI 325	Geographic Information Systems	4 cr

ENVI 340	Environmental Law	3 cr
ENVI 401	Independent Research	3 cr
OR ENVI 540	Internship	3 cr
ERTH 151	Introduction to Physical Geography	4 cr
OR EARTH 152	Introduction to Physical Geology	
OR EARTH 245	Natural Hazards	

TOTAL FOUNDATION COURSES 43 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/ENVI 351	Ornithology	
BIOL 371	Forest Environment	
BIOL 460	Ecology	
ENVI 225	Nature of New England	
ENVI 375	Aquatic Ecology	

Physical Science		6-8 cr
CCST 230	Energy & the Environment	
ENVI 425	Advanced Geographic Information Systems	
Any EARTH course other than 151, 152, or 245		

Society		6 cr
BIOL 327	Plants & Society	
CCCA 202	The Good Earth: The Theme of Agrarianism	
CCSS 210	Landscapes of Human Activities	
ENGL 371	The American Renaissance	
ENGL 374	Literature & the Environment	
ENVI 315	Environmental Economics	

HONR 301	Ethics & Animals	
PHIL 325	Environmental Ethics	
POSC 201	U.S. Government & Public Policy	
POSC 202	Comparative Government & Public Policy	
SOCI 322	Population	

TOTAL ENVIRONMENTAL STUDIES MAJOR REQUIREMENTS 61-65 cr

#### ENVIRONMENTAL STUDIES MINOR PROGRAM Requirements

BIOL 150	Introduction to Biology	4 cr
OR CHEM150	Introduction to Chemistry I	
OR EARTH 151	Introduction to Physical Geography	

OR EARTH 152	Introduction to Physical Geology	
OR EARTH 245	Natural Hazards	
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	2 cr
ENVI 320	Methods in Environmental Research	4 cr
ENVI 340	Environmental Law	3 cr
OR ENVI 310	Politics & Environmental Policy	

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

#### Biology

BIOL 235	Botany	
BIOL 245	Zoology	
BIOL 320	Microbiology	
BIOL 324	Marine Biology	
BIOL 341	Conservation Biology	
BIOL/ENVI 351	Ornithology	
BIOL 371	Forest Environment	
BIOL 460	Ecology	
ENVI 225	Nature of New England	
ENVI 375	Aquatic Ecology	

#### Physical Science

CCST 230	Energy & the Environment	
ENVI 325	Geographic Information Systems	
Any EARTH course other than 151, 152, or 245		

#### Society

BIOL 327	Plants & Society	
CCCA 202	The Good Earth: The Theme of Agrarianism	
CCSS 210	Landscapes of Human Activities	
ENGL 371	The American Renaissance	
ENGL 374	Literature & the Environment	
ENVI 315	Environmental Economics	
HONR 301	Ethics & Animals	
PHIL 325	Environmental Ethics	
POSC 201	U.S. Government & Public Policy	
POSC 202	Comparative Government & Public Policy	
SOCI 322	Population	

TOTAL ENVIRONMENTAL STUDIES MINOR PROGRAM REQUIREMENTS 24-25 cr

#### EARTH SCIENCE MINOR PROGRAM

The earth science minor complements any major and provides students with knowledge and skills in the geosciences. Students learn how to work with spatial data, explore

how earth's surface has been shaped over time, investigate geological processes that lead to natural hazards for people, and study earth's changing climate, among other topics in the geosciences. Flexibility in choosing elective courses in the minor allow students the opportunity to pursue both broad and specific interests in the field.

#### EARTH SCIENCE MINOR

##### Requirements

ENVI 325	Geographic Information Systems	4 cr
ERTH 270	Weather and Climate	3 cr
ERTH 271	Landforms	3 cr

##### Choose one of the following:

ERTH 151	Introduction to Physical Geography	4 cr
ERTH 152	Introduction to Physical Geology	4 cr
ERTH 245	Natural Hazards	4 cr

Choose two upper level EARTH courses 6 cr

TOTAL EARTH SCIENCE MINOR REQUIREMENTS 20 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, Ph.D.

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	120	Introduction to Performance	3 cr
OR THEA	110	Introduction to Stagecrafts	
THEA	200	Introduction to Theatre	3 cr
FPA	501	Senior Project	3 cr

**TOTAL FOUNDATION COURSES 24 cr**

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

**CONCENTRATION IN ART**

**Requirements**

<b>FPA Foundation Courses</b>	<b>24 cr</b>
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**

<b>FPA Foundation Courses</b>	<b>24 cr</b>
<b>Concentration Courses</b>	
AMGT 235	Fundamentals of Arts Organizations 3 cr
AMGT 255	Financial Management in the Arts 3 cr
AMGT 330	Grants and Fundraising 3 cr
FPA 540	Internship in Fine & Performing Arts 3 cr

**Electives (Choose two courses): 6 cr**

AMGT 245	Arts Marketing
AMGT 305	Writing in the Arts
AMGT 335	Museum Studies
AMGT 340	Performing Arts Management
AMGT 345	Community Arts and Education
AMGT 375	Arts Leadership
AMGT 430	Topics in Arts Management

**TOTAL ARTS MANAGEMENT CONCENTRATION REQUIREMENTS 42 cr**

**CONCENTRATION IN MUSIC**

**Requirements**

<b>FPA Foundation Courses</b>	<b>24 cr</b>
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 3 cr
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**

<b>FPA Foundation Courses</b>	<b>24 cr</b>
THEA 110	Introduction to Stagecrafts 3 cr
THEA 220	Beginning Acting 3 cr
OR THEA 230	Stagecraft II: Scene Construction
OR THEA 240	Stagecraft III: Costume Construction
THEA 250	Fundamentals of Theatre Design 3 cr
THEA 271	Play Analysis 3 cr
THEA 370	Collaboration 3 cr
THEA 372	Theatre Practicum (1 credit x 4 semesters) 4 cr

THEA 381	Theatre History I	3 cr
THEA 383	Theatre History II	3 cr

**TOTAL THEATRE CONCENTRATION REQUIREMENTS 49 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)

**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 AMGT335	Museum Studies	
ART 311	Topics in Art (Different Topic)	3 cr
OR AMGT435	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 AMGT435	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 205	Aural Skills I	3 cr
MUSI 258	Private Lessons (Each lesson: 1 credit)	
MUSI 259	Music Theory I	3 cr
MUSI 351	Topics in Music History	3 cr
MUSI 358	Private Lessons	
MUSI 458	Private Lessons	

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 110	Introduction to Stagecrafts	3 cr
THEA 120	Introduction to Performance	3 cr
THEA 200	Introduction to Theatre	3 cr
THEA 250	Fundamentals of Theatre Design	3 cr
THEA 271	Play Analysis	3 cr
THEA 372	Theatre Practicum (1credit x 3 semesters)	3 cr
THEA 381	Theatre History I	3 cr
OR THEA 383	Theatre History II	

**TOTAL THEATRE MINOR REQUIREMENTS 21 cr**

**DEPARTMENT POLICY REGARDING DOUBLE MAJORS/CONCENTRATIONS/MINOR PROGRAMS**

Due to redundancies in these program's curricula, students cannot combine the following programs:

- Fine & Performing Arts Major with Concentration PLUS Art Major
- Fine & Performing Arts Major with Arts Management Concentration PLUS Arts Management Major

Students may not minor in the same discipline as their major or concentration, but they may minor outside their discipline area. For example: FPA/Art concentration major may not also minor in Art, but could minor in THEA, AMGT, MUSI or other disciplines.

**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**

(413) 662-5019, www.mcla.edu/hist  
Chairperson: Anthony Daly, Ph.D.  
Email: Anthony.Daly@mcla.edu

**PROGRAMS AVAILABLE  
BACHELOR OF ARTS IN HISTORY  
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. 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**

**Foundation Courses**

HIST 103	Pre-Modern World Civilization	3 cr
HIST 104	Modern World Civilization	3 cr
HIST 200	Research & Bibliography	3 cr
HIST 203	United States History to 1877	3 cr
HIST 204	United States History after 1877	3 cr
HIST 205	Historiography	3 cr
POSC 201	US Government & Public Policy	3 cr
POSC 202	Comparative Government & Public Policy	3 cr

**Junior Level Requirements (select four from the following)**

HIST 305	Topics in European History	3 cr
HIST 310	Topics in Asian History	3 cr
HIST 320	Topics in US History	3 cr
HIST 330	Topics in Latin American History	3 cr
HIST 340	Topics in the Middle East and Muslim World	3 cr
HIST 350	Topics in African History	3 cr

**Senior Level Requirements**

HIST 450	Career and ePortfolio Workshop	1 cr
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Two 400-level seminars chosen from either/or		
HIST 401	Seminar in Historical Periods	3 cr
HIST 403	Seminar in Issues in History	3 cr

One of the following:

One additional 400-level seminar		
OR HIST 405	Senior Thesis	3 cr
OR HIST 540	Internship in History	3-15 cr

**TOTAL HISTORY MAJOR REQUIREMENTS 46 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.

Select six History courses, four (4) of which must be 300 level or above.

**TOTAL HISTORY MINOR REQUIREMENTS 18 cr**

**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 and a licensure program in education.

**HONORS PROGRAM**

(413) 662-5449, www.mcla.edu/honr  
Director: Susan Edgerton, Ph.D.  
Email: 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**

1. Maintain a cumulative grade point average at MCLA of 3.2 or better to remain in program
2. Take at least one honors course during each academic year
3. Overall 3.4 grade point average required to graduate with All College Honors designation

4. Complete at least 18 credits of Honors coursework, each with a grade of B or better, with at least half at or above the 300 level, to graduate with All College Honors designation
5. HONR 100, The Nature of Human Nature, 3 credits, is required 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.

**Required course:**

HONR 550	Commonwealth Scholar Thesis Research	3 cr
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To be repeated once in a different semester.

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 Owning & Belonging
- HONR 301-02 Spanish & Latin American 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: David Braden-Johnson, Ph.D.  
Email: D.Johnson@mcla.edu

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

**INTERDISCIPLINARY STUDIES MAJOR PROGRAM**

The Department of Languages, Interdisciplinary Studies, and Philosophy 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, Art, Music & Psychology, History of Science, Science & Culture, 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
- Green and Sustainable Business Management
- 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 education 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 and 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 (choose from): 6 cr

ANTH 130 Intro to Sociocultural Anthropology	
OR ANTH140 Peoples of the World (not both)	
CCSS 268 Culture & the Body	
MUSI 253 World Music	
PHIL 110 World Religions	
POSC 205 International Relations	
SOCI 100 Intro to Sociology	
SOCI 201 Social Problems	

**Cross Cultural Track**  
**Upper Level Electives (choose from): 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 313 Global Anglophone Language and Literature	
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 310 Topics in Asian History	
HIST 330 Topics in Latin American History	
HIST 340 Topics in the Middle East & the Muslim World	
HIST 350 Topics in African History	
IDST 350 World History in Contexts (Only topics determined to be relevant to cross-culture issues will count toward this requirement.)	
IDST 360 Topics in Culture and Society (Only topics determined to be relevant to cross-culture issues will count toward this requirement, such as East Meets West: Challenging Orientalism; and Bollywood-Popular Cinema in India and the Diaspora)	
POSC 315 Topics in Political Science (relevant to cross-cultural)	
SOCI 305 Latinas in US Society	
SOCI 321 Race and Ethnic Relations	
SOCI 395 Special Topics in Sociology (relevant to cross-cultural)	
SOCI 402 Genocide	

SPAN 310	Hispanic Civilization
SPAN 370	Hispanic Literature in Context
SPAN 390	Special Topics in Hispanic Literature and Film (Not more than one)

(Only topics determined to be relevant to Cross -Cultural issues will count toward this requirement.)

With the approval of the Cross- Cultural & Social Justice minor coordinator, students may obtain credits for taking other classes offered across campus, provided these classes relate to issues of cross-cultural & social justice studies.

**Social-Justice Track**  
**Lower Level Electives: 6 cr**

ANTH 130	Intro to Sociocultural Anthropology
OR ANTH140	Peoples of the World (not both)
CCSS 268	Culture & the Body
IDST 299	Introduction to Interdisciplinary Studies (must be relevant to Social Justice)
MUSI 253	World Music
PHIL 110	World Religions
SOCI 100	Intro to Sociology
SOCI 201	Social Problems

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

ANTH 346	Disability and Culture
ANTH 355	Politics of Culture
ANTH 365	Gender 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 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
IDST 350	World History in Contexts (only topics determined to be relevant to social justice issues will count toward this requirement, such as Rethinking the Third World and the World of Work)
IDST 360	Topics in Culture and Society (only topics determined to be relevant to social justice issues will count toward this requirement.)
PHIL 322	Business Ethics
PHIL 325	Environmental Ethics
PHIL 350	Contemporary Moral Issues
PHIL 360	Social and Political Philosophy
POSC 304	Constitutional Law



POSC	315	Topics in Political Science (relevant to social justice)
SOCI	305	Latinas in US Society
SOCI	321	Race and Ethnic Relations
SOCI	351	Criminology
SOCI	355	Law & Society
SOCI	402	Genocide
SOCI	403	Social Movements
SOCI	441	Social Stratification
POSC	340/SOWK340	Inequality & Social Policy

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	3 cr
OR BADM366 Team Facilitation			
IDST	395	Leadership Practicum: variable credits 1-3 (no more than 1/semester) 3 x 1cr.	
OR 2cr +1cr= 3 cr			
OR approved elective			
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
ATTR	340	Athletic Training Management
BADM	260	Management
BADM	361	Organizational Behavior
BADM	384	Marketing Communications
BADM	390	Managing Workplace Diversity
BADM	405	Contemporary Business and Organizational Issues

EDUC	375	Coaching Principles
ENGL	231	Power of Words
ENGL	306, BADM 366	if not applied to requirements above
ENGL	396	Public Relations
IDST	360	Topics in Culture and Society (as appropriate)
PHIL	322	Business Ethics
PSYC	230	Social Psychology
PSYC	335	Organizational Psychology
SOCI	403	Social Movements
SOWK	355	Community Organizing

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

**TOTAL LEADERSHIP MINOR PROGRAM REQUIREMENTS 18 cr**

#### INTERDISCIPLINARY STUDIES MAJOR (PRE-DESIGNED)

#### AMERICAN STUDIES AREA OF CONCENTRATION Requirements

1 IDST elective at the 100-200 level (e.g. IDST 150 Intro to Cross-Cultural and Social Justice Studies)			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
Lower level courses from at least 2 disciplines other than IDST relating to themes in American Studies and approved by IDST advisor:			12 cr
Upper level courses from at least 2 disciplines other than IDST relating to themes in American Studies and approved by IDST advisor:			18 cr

**TOTAL AMERICAN STUDIES CONCENTRATION REQUIREMENTS 42 cr**

#### CULTURAL STUDIES AREA OF CONCENTRATION Requirements

IDST elective at the 100-200 level (e.g. IDST 150 Intro to Cross-Cultural and Social Justice Studies)			3 cr
IDST	320	Interpretation (e.g. IDST 320 South Asian Diaspora in Literature and Film)	3 cr

OR IDST 350 World History in Contexts			
OR IDST 360 Topics in Culture and Society (e.g. IDST 360 Popular Cinema and Society in India and the Diaspora; IDST 360 Madness & Society)			
1 additional IDST elective* (relating to themes in cultural studies)			3 cr
IDST	401	Senior Seminar	3 cr
Lower level courses from at least two disciplines other than IDST relating to themes in Cultural Studies and approved by IDST advisor:			12 cr
Upper level courses from at least two disciplines other than IDST relating to themes in Cultural Studies and approved by IDST advisor:			18 cr

**TOTAL CULTURAL STUDIES CONCENTRATION REQUIREMENTS 42 cr**

#### GREEN & SUSTAINABLE BUSINESS MANAGEMENT AREA OF CONCENTRATION Requirements

IDST elective at the 100-200 level (e.g. IDST 150 Intro to Cross-Cultural and Social Justice Studies)			3 cr
IDST	320	Interpretation	3 cr
OR IDST 350 World History in Contexts			
OR IDST 360 Topics in Culture and Society (e.g. IDST 360 Globalization)			
1 additional IDST elective* (e.g. IDST 200 Intro to Leadership)			3 cr
IDST	401	Senior Seminar	3 cr
Lower level courses from at least two disciplines other than IDST relating to themes in Green and Sustainable Business Management and approved by IDST advisor:			12 cr
Upper level courses from at least two disciplines other than IDST relating to themes in Green and Sustainable			18 cr

**TOTAL GREEN & SUSTAINABLE BUSINESS MANAGEMENT CONCENTRATION REQUIREMENTS 42 cr**

#### IMMIGRATION AND DIVERSITY STUDIES AREA OF CONCENTRATION Requirements

IDST elective at the 100-200 level (e.g. IDST 150 Intro to Cross-Cultural and Social Justice Studies)			3 cr
IDST	320	Interpretation (e.g. IDST 320 South Asian Diaspora in Literature and Film)	3 cr
OR IDST 350 World History in Contexts			
OR IDST 360 Topics in Culture and Society (e.g. IDST 360 Globalization)			

1 additional IDST elective* (e.g. IDST 200 Intro to Leadership)			3 cr
IDST	401	Senior Seminar	3 cr
Lower level courses from at least two disciplines other than IDST relating to themes in Immigration and Diversity Studies and approved by IDST advisor:			12 cr
Upper level courses from at least two disciplines other than IDST relating to themes in Immigration and Diversity Studies and approved by IDST advisor:			18 cr

**TOTAL IMMIGRATION AND DIVERSITY STUDIES CONCENTRATION REQUIREMENTS 42 cr**

#### INTERNATIONAL AND GLOBAL STUDIES AREA OF CONCENTRATION Requirements

IDST elective at the 100-200 level (e.g. IDST 150 Intro to Cross-Cultural and Social Justice Studies)			3 cr
IDST	320	Interpretation (e.g. IDST 320 South Asian Diaspora in Literature and Film)	3 cr
OR IDST 350 World History in Contexts			
OR IDST 360 Topics in Culture and Society (e.g. IDST 360 Globalization)			
1 additional IDST elective*			3 cr
IDST	401	Senior Seminar	3 cr
Lower level courses from at least two disciplines other than IDST relating to themes in International and Global Studies and approved by IDST advisor:			12 cr
Upper level courses from at least two disciplines other than IDST relating to themes in International and Global Studies and approved by IDST advisor:			18 cr

**TOTAL INTERNATIONAL AND GLOBAL STUDIES CONCENTRATION REQUIREMENTS 42 cr**

## MATHEMATICS

(413) 662-5367, www.mcla.edu/math  
Chairperson: Christopher Thomas, Ph.D.  
Email: C.Thomas@mcla.edu

**PROGRAMS AVAILABLE**  
**BACHELOR OF ARTS IN MATHEMATICS**  
**CONCENTRATION IN MIDDLE SCHOOL**  
**MATHEMATICS EDUCATION**  
**CONCENTRATION IN SECONDARY SCHOOL MATH-**  
**EMATICS EDUCATION**  
**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 and 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:

- Perform computations and procedures from a wide range of the various branches of mathematics;
- Demonstrate mathematical growth by acquiring a solid grasp of key concepts and themes;
- Develop fluency in reading and constructing mathematical proofs;
- Apply mathematical ideas and problem-solving to real-life situations in the various disciplines.

**MATHEMATICS MAJOR Requirements**

MATH 220	Calculus I	3 cr
MATH 240	Proof I	3 cr
MATH 261	Linear Algebra	3 cr
MATH 310	Proof II	3 cr
MATH 320	Calculus II	3 cr
MATH 330	Calculus III	3 cr
MATH 430	Calculus IV	3 cr
PHYS 151	Introduction to Mechanics	4 cr

One course in each of the following areas:

<b>Area I</b>	3 cr	
MATH 360	Number Theory	
OR MATH 362	Algebraic Structures I	

<b>Area II</b>	3 cr	
MATH 380	Differential Equations	
OR MATH 390	Numerical Analysis	
OR MATH 455	Complex Variables	
OR MATH 460	Real Analysis I	

<b>Area III</b>	3 cr	
MATH 281	Linear Programming	
OR MATH 331	Probability and Statistics I	
OR MATH 365	Math Modeling	
OR MATH 444	Operations Research	
OR MATH 465	Financial Mathematics	

<b>Area IV</b>	3 cr	
MATH 340	Graph Theory	
OR MATH 344	Geometry	
OR MATH 440	Topology	

One computer programming courses:	3 cr
CSCI 121 OR CSCI 246 OR other computer programming course	

Four additional mathematics courses 300 level or above	12 cr
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<b>TOTAL MATHEMATICS MAJOR REQUIREMENTS</b>	<b>52 cr</b>
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**CONCENTRATION IN MIDDLE SCHOOL MATHEMATICS EDUCATION Requirements**

MATH 220	Calculus I	3 cr
MATH 240	Proof I	3 cr
MATH 261	Linear Algebra	3 cr
MATH 310	Proof II	3 cr
MATH 320	Calculus II	3 cr
MATH 330	Calculus III	3 cr
MATH 344	Geometry	3 cr
MATH 372	History of Mathematics	3 cr
MATH 430	Calculus IV	3 cr
PHYS 151	Introduction to Mechanics	4 cr

One course in each of the following areas:	<b>3cr</b>	
<b>Area I</b>		
MATH 360	Number Theory	
MATH 362	Abstract Algebra	

<b>Area II</b>	<b>3cr</b>	
MATH 380	Differential Equations	
MATH 390	Numerical Analysis	
MATH 455	Complex Variables	
MATH 460	Real Analysis	

<b>Area III</b>	<b>3cr</b>	
MATH 281	Linear Programming	
MATH 331	Probability and Statistics I	
MATH 444	Operations Research	

One Computer Programming Course:	3 cr
CSCI 121 OR CSCI 246 OR another computer programming course	

Three mathematics electives, 300 level or higher	9cr
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<b>TOTAL MIDDLE SCHOOL MATHEMATICS EDUCATION CONCENTRATION REQUIREMENTS</b>	<b>52 cr</b>
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**CONCENTRATION IN SECONDARY SCHOOL MATHEMATICS EDUCATION**

MATH 220	Calculus I	3 cr
MATH 240	Proof I	3 cr
MATH 261	Linear Algebra	3 cr
MATH 310	Proof II	3 cr
MATH 320	Calculus II	3 cr
MATH 330	Calculus III	3 cr
MATH 331	Probability and Statistics I	3 cr
MATH 344	Geometry	3 cr
MATH 360	Number Theory	3 cr
MATH 362	Abstract Algebra	3 cr
MATH 372	History of Mathematics	3 cr
MATH 380	Differential Equations	3 cr
MATH 430	Calculus IV	3 cr
PHYS 151	Introduction to Mechanics	4 cr

One course to satisfy applied mathematics or mathematics modeling: 3cr

MATH 281	Linear Programming	
MATH 340	Graph Theory	
MATH 365	Math Modeling	
MATH 390	Numerical Analysis	
MATH 444	Operations Research	

One Computer Programming Course:	3cr
CSCI 121 OR CSCI 246 OR another computer programming course	

One additional mathematics elective, 300 level or above

<b>TOTAL SECONDARY SCHOOL MATHEMATICS EDUCATION CONCENTRATION REQUIREMENTS</b>	<b>52 cr</b>
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**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 240	Proof I	3 cr
MATH 320	Calculus II	3 cr
One of the following:	3 cr	
A computer course (CSCI 121 or CSCI 246 or equivalent) any mathematics elective, 200-level or above		
One mathematics elective, 200 level or above	3 cr	
Two mathematics electives, 300 level or above	6 cr	

<b>TOTAL MATHEMATICS MINOR REQUIREMENTS</b>	<b>21 cr</b>
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**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

Chairperson: David Braden-Johnson, Ph.D.

Email: D.Johnson@mcla.edu

**PROGRAM AVAILABLE SPANISH MINOR****SPANISH MINOR PROGRAM**

The Spanish Minor program helps build proficiency and currency in spoken Spanish and develops cultural awareness, so students can interact with Spanish speakers in an accurate and successful manner in the workplace, while travelling, or in other social contexts. If students are working towards a career in business, teaching, social work, journalism, or in the medical field, or if they are pursuing an interdisciplinary program of studies, a minor in Spanish will be an invaluable asset for their career placement after college.

**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	Advanced Spanish Grammar & Composition	3 cr
Any two 300-level or above Spanish electives		6 cr

<b>TOTAL SPANISH MINOR REQUIREMENTS</b>	<b>18-24 cr</b>
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\* 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/phil  
Chairperson: David Braden-Johnson, Ph.D.  
Email: D.Johnson@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
PHIL	242	Modern Philosophy	3 cr
PHIL	300	Epistemology & Metaphysics	3 cr
PHIL	350	Contemporary Moral Issues	3 cr

Four Philosophy electives above the 200 level, planned with department advisor 12 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. Course substitutions by departmental permission.

**TOTAL PHILOSOPHY MAJOR REQUIREMENTS**  
30 cr

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

One social and political philosophy course (choose from) 3 cr

PHIL 360 Social and Political Philosophy	
PHIL 385 Special Topics (when appropriate)	

OR an approved equivalent

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

Course substitutions by department approval only.

### 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 300 Epistemology & Metaphysics	3 cr
PHIL 350 Contemporary Moral Issues	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) 662-5302, www.mcla.edu/phed  
Coordinator: Peter Hoyt, Ph.D.  
Email: Peter.Hoyt@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. It 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 offers courses that support the minor program in sport coaching. This is an integrative program 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 programs.

## PHYSICS

(413) 662-5455, www.mcla.edu/phys  
Chairperson: Emily Maher, Ph.D.  
Email: 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, optics, solid state physics, 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 a host of other fields. Students graduating with a degree in physics will be able to:

- Understand the basic principles in the various fields of physics.
- Make connections between various fields of physics.
- Solve problems using math and physical reasoning.
- Use modern computational methods to analyze and present data.
- Design and conduct experiments to evaluate ideas and verify theory.
- Evaluate the validity of experimental evidence.
- 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
PHYS	151	Introduction to Mechanics	4 cr
PHYS	200	Seminar for Physics Majors	1 cr
PHYS	251	Introduction to Electricity and Magnetism	4 cr
PHYS	252	Introduction to Waves, Optics, and Relativity	4 cr
PHYS	301	Classical Mechanics	3 cr
PHYS	303	Electricity and Magnetism	3 cr
PHYS	351	Modern Physics	4 cr
PHYS	361	Mathematical Physics	3 cr
PHYS	401	Advanced Physics Laboratory I	3 cr
PHYS	402	Advanced Physics Laboratory II	3 cr
PHYS	471	Quantum Mechanics	3 cr
<b>TOTAL PHYSICS BACHELOR OF ARTS</b>			<b>47 cr</b>

**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 Mechanics	4 cr
PHYS 200	Seminar for Physics Majors	1 cr
PHYS 251	Introduction to Electricity and Magnetism	4 cr
PHYS 252	Introduction to Waves, Optics, and Relativity	4 cr
PHYS 301	Classical Mechanics	3 cr
PHYS 303	Electricity & Magnetism	3 cr
PHYS 305	Electronics	3 cr
PHYS 351	Modern Physics	4 cr
PHYS 361	Mathematical Physics	3 cr
PHYS 401	Advanced Physics Laboratory I	3 cr
PHYS 402	Advanced Physics Laboratory II	3 cr
PHYS 471	Quantum Mechanics	3 cr
Plus three Physics courses 300 level or higher		9 cr

**TOTAL PHYSICS BACHELOR OF SCIENCE 62 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 fields through study in upper-division courses.

**PHYSICS MINOR****Requirements**

PHYS 151	Introduction to Mechanics	4 cr
PHYS 251	Introduction to Electricity and Magnetism	4 cr
PHYS 252	Introduction to Waves, Optics, and Relativity	4 cr
PHYS 351	Modern Physics	4 cr
Plus two Physics courses level 300 or higher		8 cr

**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.

**MCLA-UMASS AMHERST COLLEGE OF ENGINEERING ARTICULATION AGREEMENT**

MCLA and the UMass, Amherst 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 & PUBLIC POLICY**

(413) 662-5019, www.mcla.edu/posc  
Chairperson: Anthony Daly, Ph.D.  
Email: Anthony.Daly@mcla.edu

**PROGRAMS AVAILABLE  
BACHELOR OF ARTS IN POLITICAL SCIENCE  
AND 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:

- Demonstrate a comprehensive understanding in each of the following areas of political science: American politics, comparative politics, international relations, public policy, and research methods.
- Demonstrate proficiency in identifying, locating, and evaluating scholarly political science resources and literature and in using them responsibly to formulate effective arguments.
- Demonstrate the capacity to conduct original research

using one or more methodologies in political science (i.e., quantitative, qualitative, historical institutional, etc.).

- Demonstrate competence in presenting research and analysis via written and oral communication.
- Demonstrate the application of skills and knowledge from the Political Science and Public Policy program in program-relevant internships.

**POLITICAL SCIENCE AND PUBLIC POLICY MAJOR Requirements****REQUIRED COURSES**

HIST 203	United States History to 1877	3 cr
HIST 204	United States History after 1877	3 cr
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

**UPPER LEVEL REQUIREMENTS (7 cr)**

POSC 401-402	Seminar in Problems in Political Science	
OR POSC 403	Seminar in Public Policy	3 cr
POSC 450	Career and ePortfolio Workshop	1 cr
POSC 540	Internship in Political Science & Public Policy	3 cr

Electives (21 credits required-choose from)

ECON 141	Macroeconomics	3 cr
ENVI 310	Politics & Environmental Policy	3 cr
ENVI 340	Environmental Law	3 cr
MATH 232	Introduction to Statistics	3 cr
PHIL 360	Social & Political Philosophy	3 cr
POSC 300	Politics & News Media in America	3 cr
POSC 304	Constitutional Law	3 cr
POSC 315	Topics in Political Science	3 cr
POSC 316	Topics in Public Policy	3 cr
POSC 331	Africa	3 cr
POSC 340/SOWK 340	Inequality & Social Policy	3 cr
POSC 500	Directed Independent Study	1-3 cr
POSC 510	Teaching Assistantship in Political Science	3 cr

POSC 540	Internship in Political Science	(in addition to required 3 credit internship) 3-15 cr
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**TOTAL POLITICAL SCIENCE AND PUBLIC POLICY MAJOR REQUIREMENTS 46 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****TEACHING LICENSURE**

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

**PSYCHOLOGY**

(413) 662-5453, www.mcla.edu/psyc  
Chairperson: Sharon Claffey, Ph.D.  
Email: S.Claffey@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

#### Foundation Courses 7 cr

BIOL 150 Introduction to Biology

PSYC 100 Introduction to Psychology

Research Methodology 8 cr

PSYC 290 Research Methods and Statistics I

PSYC 291 Research Methods and Statistics II

Primary Content Domains 12 cr

(choose four courses, at least two must be 300 level)

PSYC 210 Developmental Psychology

PSYC 230 Social Psychology

PSYC 270 Abnormal Psychology

PSYC 310 Cognitive Psychology

PSYC 316 Behavior Analysis

PSYC 331 Biological Psychology

Advanced Research and Methods (choose one course) 4 cr

PSYC 360 Measurement and Assessment

PSYC 390 Research Design and Analysis

PSYC 397 Research Seminar

Upper Level Electives (choose at least two courses) 6 cr

PSYC 325 Environmental Psychology

PSYC 332 Drugs and Human Behavior

PSYC 335 Organizational Psychology

PSYC 340 Psychology of Children with Special Needs

PSYC 350 Theories of Personality

PSYC 355 Human Sexuality

PSYC 356 Psychology of Gender

PSYC 357 Psychology of Women

PSYC 369 Forensic Psychology Capstone

PSYC 370 Human Communication and Perception

PSYC 375 Health Psychology

PSYC 376 Sport Psychology

PSYC 380 Educational Psychology

PSYC 386 Adolescent Development

PSYC 387 Childhood Disorders

PSYC 388 Adulthood and Aging

PSYC 416 Research in Behavior Analysis

PSYC 460 Human Behavior in Cross-Cultural Perspectives

PSYC 516 Functional Assessment and Intervention

PSYC 540 Internship

Capstone Experience (Choose one course) 3 cr

PSYC 410 History of Psychology

PSYC 499 Advanced Seminar

PSYC 550 Senior Thesis

### TOTAL PSYCHOLOGY MAJOR REQUIREMENTS

40 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 Functional 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 Functional 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

Rsearch

PSYC 555 Seminar & Practica in 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 levels 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 discover-

ing 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) 662-5521, www.mcla.edu/soci

Chairperson: Susan Birns, Ph.D.

Email: Susan.Birns@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 areas such 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

ANTH 130 Intro to Sociocultural Anthropology 3 cr  
 OR ANTH140 Peoples of the World  
 MATH 232 Introduction to Statistics\* 3 cr  
 SOCI 100 Introduction to Sociology 3 cr  
 SOCI 312 Sociological Theory 3 cr  
 SOCI 321 Race and Ethnic Relations 3 cr  
 OR SOCI 441 Social Stratification  
 SOCI 331 Methods of Social Research 3 cr  
 \*MATH 232 Introduction to Statistics credits count in the core requirements.

One SOCI elective which must be a 300 level or above 3 cr

Six departmental electives 18 cr

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.

### TOTAL SOCIOLOGY MAJOR REQUIREMENTS 39 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 eighteen credit hours, at least fifteen 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 ANTH140 Peoples of the World

Any 300 level "Peoples of" course:  
 ANTH 320-324 3 cr

Any four elective courses from the following list: 12 cr  
 ANTH 320 People of the Middle East  
 ANTH 322 People of China  
 ANTH 323 People of Africa  
 ANTH 330 Children and Culture  
 ANTH 345 Culture, Health and Illness  
 ANTH 346 Disability and Culture  
 ANTH 355 Politics of Culture  
 ANTH 365 Gender Roles and Culture  
 ANTH 370 Culture, Power and Protest  
 ANTH 395 Special Topics in Anthropology  
 CCSS 268 Culture and the Body  
 SOWK 380 Women and Health

Note: Students may elect to do an ANTH Independent Study, Research Assistantship, Teaching Assistantship or Internship as one of the Anthropology Minor Electives

### 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 Psychology  
 SOCI 210 Families 3 cr  
 Electives: 12 cr

### TOTAL CHILD AND FAMILY STUDIES MINOR REQUIREMENTS 18 cr

Twelve elective credits in courses designated as Child and Family Studies, nine 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).

ANTH 320 Peoples of the Middle East  
 ANTH 321 Peoples of the Caribbean  
 ANTH 322 Peoples of China  
 ANTH 323 Peoples of Africa  
 ANTH 324 Native American Peoples

ANTH 330 Children and Culture  
 ANTH 365 Gender Roles and Culture  
 CCCA 207 Children's Literature  
 HIST 315 Women in American History  
 PSYC 340 Psychology of Children with Special Needs  
 PSYC 355 Human Sexuality  
 PSYC 356 The Psychology of Gender  
 PSYC 380 Educational Psychology  
 PSYC 386 Adolescent Development  
 PSYC 387 Childhood Disorders  
 PSYC 499 Family Roles (only)  
 SOCI 305 Latinas in US Society  
 SOCI 337 Aging and the Life Course  
 SOCI 352 Juvenile Delinquency  
 SOCI 360 Women, Movies, and MTV  
 SOCI 410 Sociology of Education  
 SOCI 425 Sociology of Childhood  
 SOWK 340/POSC 340 Inequality and Social Policy  
 SOWK 380 Women and Health  
 SOWK 443 Casework with Couples and Families  
 SOWK 452 Social Work with Juvenile Delinquents  
 SOWK 475 Family Violence

### CRIMINAL JUSTICE MINOR PROGRAM

The criminal justice minor offers students an introduction to correctional counseling and law enforcement based on a liberal arts foundation and capped by a field placement experience. A Sociology Major completing a Criminal Justice Minor may only apply SOCI 100 to both programs.

### Requirements: 12 cr

SOCI 100 Introduction to Sociology  
 SOCI 201 Social Problems  
 SOCI 351 Criminology  
 SOCI/SOWK540 Internship

Choose any two electives from the list below: 6 cr

IDST 299 Introduction to Interdisciplinary Studies \*  
 IDST 360 Topics in Culture and Society \*  
 POSC 304 Constitutional Law  
 SOCI 282 Social Constructions of Deviance  
 SOCI 352 Juvenile Delinquency  
 SOCI 355 Law & Society  
 SOCI 395 Special Topics in Sociology \*  
 SOCI 402 Genocide  
 SOWK 348 Social Work Skills  
 SOWK 395 Special Topics in Social Work \*  
 SOWK 475 Family Violence  
 SOWK 442 Social Casework  
 SOWK 452 Social Work with Juvenile Delinquents

\*Evaluated on a case by case basis with advisor and department chair approval.

### TOTAL CRIMINAL JUSTICE MINOR 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 eighteen credit hours. A sociology major completing a Health, Aging and Society Minor, can only count the introductory level course (SOC 100 or ANTH 140) in both programs.

### HEALTH, AGING AND SOCIETY MINOR Requirements

SOCI 100 Introduction to Sociology 3 cr  
 OR ANTH130 Introduction to Sociocultural Anthropology  
 OR ANTH140 Peoples of the World

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

### Health Focus

ANTH 345 Culture, Health & Illness  
 ANTH 346 Disability and Culture  
 CCSS 268 Culture and the Body  
 IDST 299 Introduction to Interdisciplinary Studies \*  
 IDST 360 Topics in Culture and Society \*  
 PSYC 355 Human Sexuality  
 PSYC 357 Psychology of Women  
 SOCI 415 Sociology of Happiness  
 SOWK 380 Women & Health  
 SOWK 475 Family Violence  
 ANTH/SOCI/SOWK 395 Special Topics \*

\*Evaluated on a case by case basis with advisor and department chair approval.

Option to replace one course in this program with  
 SOWK 540 Social Work Internship

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

### Aging Focus

CCSS 275 Aging & Society  
 IDST 299 Introduction to Interdisciplinary Studies \*  
 IDST 360 Topics in Culture and Society \*  
 SOCI 335 Health & Aging  
 SOCI 336 Death & Dying  
 SOCI 337 Aging & the Life Course

SOWK 540 Social Work Internship

ANTH/SOCI/SOWK 395 Special Topics \*

\*Evaluated on a case by case basis with advisor and department chair approval.

**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 eighteen 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 cr
Two 300-400 level social work electives		6 cr

**TOTAL SOCIAL WORK MINOR REQUIREMENTS 18 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 eighteen credit hours, at least fifteen of which must be completed in the classroom.

**SOCIOLOGY MINOR**

**Requirements**

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

Three sociology electives, two at 300 level or above 9cr

Note: Students may elect to do one SOCI independent study, research assistantship, teaching assistantship or internship as one of the sociology minor electives.

**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) 662-5516, www.mcla.edu/wmst

Contact: Karen Cardozo, Ph.D.

Email: K.Cardozo@mcla.edu

**PROGRAM 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
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Fifteen elective credits in courses designated Women's Studies, from at least two different departments, 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 320	Peoples of the Middle East
ANTH 330	Children & Culture
ANTH 365	Sex Roles & Society
BIOL 395	Special Topics (when applicable)
BADM 390	Managing Workplace Diversity
CCHH 210	American Women Regionalist Writers
CCSS 268	Culture & the Body
ENGL 357	Virginia Woolf
ENGL 359	Toni Morrison

ENGL 362	Moore & Bishop
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ENGL 392	Queer Identity in Contemporary Literature
ENGL 397	Special Topics in Film (when applicable)
ENGL 441	Special Topics in Literature (when applicable)
HIST 320	Special Topics (when applicable)
IDST 360	Special Topics (when applicable)
PHIL 485	Ethics & Gender
PHED 146	Self Defense for Women
POSC 340/SOWK 340	Inequality & Social Policy
PSYC 355	Human Sexuality
PSYC 356	Psychology of Gender
PSYC 357	Psychology of Women
PSYC 495	Special Topics (when applicable)
PSYC 499	Advanced Seminar (when applicable)
SOCI 210	Families
SOCI 305	Latinas in U.S. Society
SOCI 360	Women, Movies, and MTV
SOCI 395	Special Topics in Sociology (when applicable)
SOWK 380	Women & Health
SOWK 443	Casework with Couples & Families
SOWK 475	Family Violence
SPAN 390	Special Topics in Hispanic Literature & Film (when applicable)
THEA 479	Topics in Theatre (when applicable)
WMST 202	Feminist Theory
WMST 310	Women's Studies Service Seminar
WMST 395	Special Topics in Women's Studies
WMST 500	Independent Study

# Course Description

\*\*\*\*For Course Attribute Key see page 146

## 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 Fundamentals of Arts Organizations 3 cr**  
Explores functional elements of arts organizations with emphasis on strategic planning and organizations' fit in the arts ecosystem. An indepth study of arts management focusing on topics including planning, organizational identity, environmental analysis, strategy development, marketing, human resources, financial planning, fund-raising and control systems. Focus will be on the strategic management process and organizational innovation in the context of the contemporary arts environment. Course attributes: LDRS.  
Prerequisite: AMGT 130

**AMGT 245 Arts Marketing 3 cr**  
Examines the fundamentals of marketing theory and its application in arts management. Topics include marketing mix; situational analysis; segmentation, branding; the 4 P's, publicity; Internet, social media, and database marketing; and marketing plan implementation and control. This course will examine theory and then directly apply concepts in the development of personal branding tools and in the generation of comprehensive marketing for a local arts organization.  
Prerequisite: AMGT 235

**AMGT 255 Financial Management in the Arts 3 cr**  
Explores and examines the major elements of financial accounting in a typical arts organization. With a focus on non-profit finance, students will learn to perform basic accounting tasks, prepare and analyze financial statements, implement an effective financial control system, use financial information as part of organizational decision making, develop a mission-driven budget, and understand professional accounting standards.  
Prerequisite: AMGT 130

**AMGT 305 Writing in the Arts 3 cr**  
Prepares students for writing in the arts for a variety of contexts and audiences. The class will be run in a studio format where students experience and engage in writing, analyzing, and drafting processes exploring a range of methods of communicating effectively and disseminating information about the arts and about their role in the arts. Students will develop a portfolio of writing (philosophy statement, bio, resume, cover letter, press release, blog entries, reviews, interviews, etc.)  
Prerequisite: AMGT 130 or instructor permission

**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 345 Community Arts and Education 3 cr**  
Explores the work of artist educators in and out-of-school contexts, develop skills to identify learning objectives for their work, document educational work, and increase the potency of marketing and descriptive material.  
Prerequisite: AMGT 130

**AMGT 375 Arts Leadership 3 cr**  
Studies the theories of human motivation and leadership and adaptation of these theories to programs in arts organizations. Students will probe concepts of authority and delegation and analyze leadership styles. Students will also explore concepts of and develop skills in managing effective workteams, time management, hiring and supervision, and board relations. 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: C&FS, 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: C&FS, CRCU, WMST.  
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: C&FS, 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: C&FS, 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: C&FS, 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 lifeways. Contemporary issues including sovereignty, land claims, social issues and cultural autonomy will be examined. Course attributes: C&FS, 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: C&FS, 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 Disability and Culture 3 cr**  
Examines ways cultural meanings of disability and experiences of people with disabilities vary across cultures and historical eras. Investigates impact of social institutions, such as education, family, government, media and medicine, on the lives of disabled. Explores disability as a site of cultural creativity, as evidenced by interactive strategies, performance arts, and life writing, as well as a site of oppression and exclusion. Compares global disability rights movements. 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, SOCJ.  
Prerequisite: ANTH 130 or ANTH 140 or instructor approval

**ANTH 365 Gender Roles and Culture 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: C&FS, 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 501 Research Assistant 1 to 3 cr**  
Students will assist faculty member in conducting original quantitative and/or qualitative research projects. The responsibilities may include collecting archival, ethnographic, interview, or focus group data, working with data sets, or other research activities. This course is repeatable for a maximum of 6 credits.  
Prerequisite: SOCI 331, junior/senior status, instructor 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 art practices through the study and creation of drawings. Drawing is fundamental to the visual arts. Working from observation, a mix of methods of line, value, and form build skills of tone, visual proportion, scale, sketching, composition, concept and artistic meanings.  
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 125 Introduction to Sculpture 3 cr**  
Introduce a variety of sculptured methods including manipulation, addition and subtraction as well as principles of three-dimensional design.  
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**  
Develops intermediate drawing projects by working from observation and imagination. Techniques focus on line, modeling and form using intensive sketching processes.  
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 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 Introductory Studio (Technique)** 3 cr  
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. Course topics vary by semester and may include: sculpture, mixed media, collage, assemblage, cartooning, landscape painting and other topics. Repeatable if different topic.  
Prerequisite: ART 116

**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-graffitti, 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  
Develops compositional approaches to the making and understanding of visual artworks through the use of historical and contemporary art methods and concepts.  
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 technique 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: Any 100 or 200 level ART course

**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. This 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: Any 200 or 300 level ART course

**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 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. Course attributes: LDRS.  
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)**

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**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 in 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 completed MATH 220 Calculus I.  
Prerequisite: Completion of Tier I Quantitative Reasoning

**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 recordkeeping. 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 Environment of Business** 3 cr  
Introduces government regulation of individuals and businesses. The Constitution, statutes and adjudicated cases will be used extensively to illustrate the history, philosophy, structure, processes and controls of state and federal regulatory systems over economic, social and individual activities.  
Prerequisite: 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. Course attributes: LDRS.  
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 310 Advanced Information Technology for Business 3 cr**  
Provides an in-depth study of the business information technology application. Students will learn to use the advanced functions found in word processing, spreadsheet, and database applications found within the business environment.  
Prerequisite: BADM 210

**BADM 320 Accounting Systems 3 cr**  
Studies how accounting information is recorded and summarized using double-entry recordkeeping, 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 law 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. Course attributes: LDRS.  
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. Course attributes: LDRS.  
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. Course attributes: LDRS.  
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 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: LDRS, 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. Course attributes: LDRS. 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 advanced 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** 1 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 labeling, 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 331 Animal Behavior** 4 cr  
Introduces the topic of animal behavior, exploring the principles of ecology, evolution, development, and ethology. The course will examine behavioral adaptation (including physiological, ecological, and evolutionary aspects) from individuals to population-level interactions. Topics include: foraging, anti-predator, and mating strategies: mechanistic control of behavior, sociality, and aggression. Laboratory component will focus on observation, communication, and experimental design.

Prerequisite: BIOL 240

**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 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 361 Advanced Biochemistry** 3 cr  
Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization. Prerequisite: BIOL 360

**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 375 Aquatic Ecology** 4 cr  
Focuses on the physical, chemical, and biological environment of freshwater systems, as well as on common methods used in the study of these systems. Concepts will be applied to addressing current challenges in conserving freshwater resources. Required laboratory. Prerequisite: BIOL 100 or BIOL 150 or ENVI 150H or instructor approval

**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 420 Bioinformatics** 3 cr  
Introduces the fundamental algorithms used in bioinformatics and how these algorithms can be used to solve biological problems. In this class, the students will learn how bioinformatics algorithms work, as well as how to obtain sequence data from scientific databases and analyze these data using tools available on a high-performance computer. Prerequisite: CSCI 243, BIOL 240

**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 499 Teaching Assistant in Biology** 1 to 3 cr  
Provides the opportunity for a student to assist in the preparation and implementation of a biology course.  
Prerequisite: Department approval

**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

## CORE CREATIVE ARTS (CCCA)

**CCCA 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 on techniques of writing and publishing, as well as pedagogical philosophies. Course attributes: C&FS, 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 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 220 Popular History and Biography** 3 cr  
Examines history in non-fiction prose works intended for a broad audience of intelligent but not expert readers. It looks at the kind and value of information in primary sources, and how secondary sources document them. Primary sources may include letters, diaries, memoirs, speeches, still and moving photographs, drawings, certificates, posters, maps to help distinguish the different kinds of information revealed in secondary sources. Course attributes: CHH.  
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 explanatory fiction. Course attributes: CHH.  
Prerequisite: None

## **CORE SELF AND SOCIETY (CCSS)**

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**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 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: CSS.  
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: CSS, HONR.  
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, SOBJ, 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)**

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**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 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 106 The Physics of Superheroes** 3 cr  
Examines superheros through the lens of modern physics. The student will use basic physics principles such as mechanics, energy, and quantum mechanics to model and explain the powers and events in literature, which consists of comic books, sci-fi novels, and fantasy novels. This course will develop problem solving skills that are useful in a variety of real world applications. This course assumes no previous knowledge of physics and will be useful for science and non-science majors alike. Course attributes: CST.  
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)

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**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, confirmational 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 focuses on analytical techniques.  
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** 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, bioorganic 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 in Chemistry** 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 AND INFORMATION SYSTEMS (CSCI)

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**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.  
Prerequisite: None

**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 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 210 Networking Theory and Administration I** 3 cr  
Introduces students to topics in networking theory such as protocols, protocol stacks, encryption and security. Basic network troubleshooting and administration will also be covered.  
Prerequisite: None

**CSCI 211 Networking Theory and Administration II** 3 cr  
Introduces students to advanced topics in networking theory such as flow control and congestion control algorithms, routing algorithms, multiple access algorithms, and error detection and correction algorithms. Advanced troubleshooting and network administration will be covered.  
Prerequisite: CSCI 210

**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 C# I** 3 cr  
Introduces the concepts of program development using the C# programming language. Intended for business information majors, this course focuses on an introduction to the visual studio 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 C# II** 3 cr  
Continues the study of program development using the C# programming language. Intended for business information majors, this course focuses on advanced C# 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.  
Prerequisite: None

**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 302 Computer Triage** 3 cr  
Intended for computer science majors. Topics include: troubleshooting, problem solving and maintaining network hardware and software.  
Prerequisite: CSCI 101

**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 221

**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 122, CSCI 236, CSCI 243

**CSCI 346 Programming in Visual Studio** 3 cr  
Applies programming concepts to the language found in the Visual Studio programming environment. This course is intended for students who have studied another programming language for at least two semesters. Topics include syntax, data structures, graphics and GUI application in a Windows environment.  
Prerequisite: CSCI 122 or CSCI 248

**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 350 Introduction to Parallel Computing** 3 cr  
Introduces parallel computing methods for both distributed memory and shared memory architectures. In this course, students will learn how to design and implement parallel algorithms for solving classic computer science problems, and analyze their performance. This course covers several parallel programming techniques such as Open MPI, POSIX Threads, Open MP, and Java Threads.  
Prerequisite: CSCI 122

**CSCI 352 Business Information Systems** 3 cr  
Provides an examination of business information systems that apply to all strata of organizations. The course will view organizations as information systems and demonstrate how computers are integrated in these organizations. Students will engage in service learning projects and gain practical experience off-campus, solving real problems for various companies.  
Prerequisite: CSCI 252

**CSCI 360 Network Security I** 3 cr  
Examines client based/end user security. This course is intended for computer science majors. Topics include: identification, prevention and recovery from security vulnerabilities and threats to PCs, tablets and mobile devices.  
Prerequisite: CSCI 211

**CSCI 361 Data Structures and Algorithms** 3 cr  
Introduces fundamental data structures such as stacks, queues, dictionaries, trees, and graphs. This course also covers the development and analysis of algorithms that sort, search, traverse, and divide and conquer. Algorithm analysis techniques covered include the RAM model of computation, best-case, worst-case, and average-case complexity. Students will implement data structures and algorithms using a contemporary programming language and serial and parallel programming techniques.  
Prerequisite: CSCI 122

**CSCI 362 Operating Systems** 3 cr  
Students learn about and implement the fundamental principles used by operating systems to manage processes, memory, storage, and security. In addition, case studies will be introduced to explore the implementation of at least two modern operating systems.  
Prerequisite: CSCI 361

**CSCI 363 Network Security II** 3 cr  
Continues CSCI 360, Network Security I and examines networked systems security. This course is intended for computer science majors. Topics include: identification, prevention and recovery for security vulnerabilities and threats to network data and networked resources.  
Prerequisite: CSCI 360

**CSCI 390 Junior Qualification Symposium** 1 cr  
Ensures that students are prepared for their senior year of study in the Computer Sciences Software Development Program. Students attend class for one hour each week to review material from the lower level courses in the program, (100 and 200 level). Near the end of the semester, each student will take a multi-part exam, which must be passed to continue on.  
Prerequisite: CSCI 222, 235, 236, 243

**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 420 Bioinformatics** 3 cr  
Introduces the fundamental algorithms used in bioinformatics and how these algorithms can be used to solve biological problems. In this class, students will learn how bioinformatics algorithms work, as well as how to obtain sequence data from scientific databases and analyze these data using tools available on the MCLA high-performance cluster.  
Prerequisite: CSCI 243, BIOL 240

**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 Software Engineering** 3 cr  
Prepares students for work in industry. This course introduces students to modern tools and approaches that will allow them to design professional quality software.  
Prerequisite: CSCI 343, CSCI 390

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

Prerequisite: Department approval, EDUC 230 or concurrent enrollment in EDUC 230

**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 305 or concurrent enrollment in EDUC 305

**EDUC 230 Program Development: Infants & Toddlers** 3 cr

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

Prerequisite: Department approval

**EDUC 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 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, department approval and 2.5 overall GPA Coreq: EDUC 338 or EDUC 430

**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, department approval, 2.5 overall GPA, passing score on Communication/Literacy MTEL 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, department approval, 2.5 overall GPA, passing score on Communication/Literacy MTEL Coreq: EDUC 414 or EDUC 416

**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. Course attributes: LDRS.  
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 404 Sheltered English Instruction ECHE/ELEM 3 cr**  
Focuses on preparing undergraduate level ELEM and ECHE pre-service teachers to shelter academic content and English language instruction for ELLs. Topics include salient differences among ELLs; language structure; second language acquisition; and effective practices based on the SEI model. Students will learn to differentiate instruction for ELLs at different English proficiency levels, focusing on English Language arts, literacy skills, and academic vocabulary in various content areas.  
Prerequisite: EDUC 338, department approval

**EDUC 405 Sheltered English Instruction MDSC/SECE 3 cr**  
Focuses on preparing undergraduate level Middle and Secondary pre-service teachers to shelter academic content and English language instruction for ELLs. Topics include salient differences among ELLs; language structure; second language acquisition; and effective practices based on the SEI model. Students will learn to differentiate instruction for ELLs at different English proficiency levels, focusing on language and literacy skills, and academic vocabulary in relevant content areas.  
Prerequisite: EDUC 336, department approval

**EDUC 409 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.  
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 Classroom Management/Teaching Strategies (ECHE & ELEM) 3 cr**  
Prepares one to design educational environments that support all learners and to see classrooms from the learners perspective including the learner whose cultural, linguistic, social, psychological, or economic background is different from the teacher or from the mainstream. Demonstrates that managing classrooms requires attention to physical, social, temporal, auditory, and visual dimensions. Provides strategies to build the social competence of learners who present behavior difficulties.  
Prerequisite: Department approval

**EDUC 422 Classroom Management/Teaching Strategies (MDSC/SECE) 3 cr**  
Prepares one to design educational environments that support all learners and to see classrooms from the learners perspective including the learner whose cultural, linguistic, social, psychological, or economic background is different from the teacher or from the mainstream. Demonstrates that managing classrooms requires attention to physical, social, temporal, auditory, and visual dimensions. Provides strategies to build the social competence of learners who present behavior difficulties.  
Prerequisite: Department approval

**EDUC 430 Teaching in an Inclusive Classroom 3 cr**  
Introduces values, laws and principles underlying special education, including the rights of parents/guardians. Identifies the role of general educators in securing supports and services for individual students, and in developing and implementing IEPs. Highlights strength-based assessment, peer supports, assistive technology, Universal Design for Learning (UDL), promoting social competence, and collaboration with families, paraeducators, special educators, and clinicians.  
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 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 MTELs, grades of C or better in all licensure courses, and 2.8 overall GPA 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 MTELs, grades of C or better in all licensure courses, and 2.8 overall GPA 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 MTELs, 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 MTELs, grades of C or better in all licensure courses, and 2.8 overall GPA 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 MTELs, 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 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 MTELs, grades of C or better in all licensure courses, and 2.8 overall GPA 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 MTELs, grades of C or better in all licensure courses, and 2.8 overall GPA 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 MTELs, 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 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 MTELs, grades of C or better in all licensure courses, and 2.8 overall GPA 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 MTELs, grades of C or better in all licensure courses, and 2.8 overall GPA 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 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 MTELs, 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 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 MTELs, grades of C or better in all licensure courses, and 2.8 overall GPA 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**  
Introduces academic writing, focusing on college-level reading, writing, and revision. Emphasizes the writing of informed arguments incorporating research and documentation, application of theory, textual analysis, and critical synthesis. Course attributes: CWR.  
Prerequisite: ENGL 100

**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 Photography 3 cr**  
Introduces students to photography, digital cameras and photo editing programs. Topics include various forms of composition for communication including documentary photography. Combines lectures and discussion with hands-on experience. Instruction includes camera functions, exposure control, technical and creative control, basic computer manipulation of images and digital output options. Students must provide a digital SLR or point and shoot camera.  
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, LDRS.  
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. Course attributes: LDRS.  
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 313 Global Anglophone Language and Literature** 3 cr  
Analyzes Global Anglophone Literature and Postcolonial theory with a particular focus on writing from and about Africa, the Caribbean, and India. Discussions will center on questions of language, representation, and form. We will explore the various aesthetic strategies and techniques employed by writers to communicate contemporary postcolonial themes, such as neocolonialism, globalization, nationalism, imperialism, feminism, migration, hybridity, and diaspora. Course attributes: CRCU.  
Prerequisite: ENGL 250

**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, experimenting 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 Communications** 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 and instructor 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 a 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 341 Hybrid Poetics** 3 cr  
Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.  
Prerequisite: Junior/senior status or instructor approval

**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, Finnegans 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 of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Samson Agonistes," and "Paradise Lost". Course attributes: HONR.  
Prerequisite: ENGL 250 or department approval

**ENGL 370 The Romantic Movement** 3 cr  
Surveys 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 modernism 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 383 Whitman and the New World Poets** 3 cr  
Explores the ground-breaking work of Walt Whitman and other New World poets (Williams, Hughes, Sandburg, Rothke, 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 Bellows, 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 familiarizing students with issues, questions and motifs that recur in works which diagnose ongoing conflicts in the American temper. Readings are drawn from both the margins and mainstream of American literary traditions and all eras. Content identified by subtitle.  
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 392 Queer Identity in Contemporary Literature** 3 cr

Explores representations of queer identity by contemporary writers working in a variety of literary genres including short and novel-length fiction, the graphic novel, poetry, and memoir. Authors may include David Leavitt, Jeanette Winterson, Olga Broumas, Colm Toibin, Raphael Campo, Alan Hollinghurst, Leslie Fienberg, Mark Wunderlich, Alison Bechdel, or Michelle Tea. Course attributes: WMST.

Prerequisite: ENGL 250 or department approval

**ENGL 395 Experiential Credit Portfolio Preparation and Writing** 3 cr

Provides students with help in completing a portfolio for experiential credit. Includes a rigorous essay-writing component.

Prerequisite: Approval of the Advising Center in consultation with the appropriate department(s)

**ENGL 396 Public Relations** 3 cr

Introduces students to the broad career area of public relations. Principles, cases and problems of public relations will be studied through contact with local organizations. Topic areas include internal communications systems, applications of mass communications, researching public opinions and social responsibilities. Course attributes: LDRS.

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 Assistantship 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)**

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**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. 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, HONR.  
Prerequisite: None

**ENVI 225 Nature of New England** 4 cr  
Surveys the nature of New England and focuses on the natural history and identification of representative vertebrate animals of the region. It will introduce the physical setting of New England, investigate various communities and ecosystems of the region, and discuss nature in winter and how animals cope with the extremes of winter. The class format includes lecture, student presentations, and class discussions of assigned readings. Required lab component that includes field based activities. Course attributes: CSTL, ENVI.  
Prerequisite: None

**ENVI 226 Nature of New England** 3 cr  
Surveys the nature of New England and focuses on the natural history and identification of representative vertebrate animals of the region. The first part of the course will introduce the physical setting of New England. Subsequently, it will cover various communities and ecosystems of the region, identify the distinguishing vegetation for selected ecosystems, describe the natural history of those ecosystems, and emphasize the identity, biology, and ecology of representative vertebrate animals. Course attributes: CST, ENVI.  
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** 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 299 Environmental Studies Practicum** 1 to 2 cr  
Offers environmental studies students an opportunity to gain practical experience 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 can be repeated up to a maximum of 4 credits. Course attributes: ENVI.  
Prerequisite: Department approval.

**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** 4 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. Required laboratory. Course attributes: ENVI.  
Prerequisite: None

**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 375 Aquatic Ecology** 4 cr  
Focuses on the physical, chemical, and biological environment of freshwater systems, as well as on common methods used in the study of these systems. Concepts will be applied to addressing current challenges in conserving freshwater resources. Required laboratory. Course attributes: ENVI.  
Prerequisite: BIOL 100 or BIOL 150 or ENVI 150H or instructor approval

**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)** 4 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. Required laboratory. Course attributes: ENVI.  
Prerequisite: ENVI 325 (grade of C or better)

**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 in Environmental Studies** 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

## **EARTH SCIENCE (ERTH)**

**ERTH 151 Introduction to Physical Geography 4 cr**  
Studies the natural environment from a geographical perspective. Analyzes the distribution and character of environmental elements, including weather, climate, landforms, soils, and vegetation. Examines consequences of human intervention in natural systems. Required laboratory. Course attributes: CSTL, ENVI.  
Prerequisite: None

**ERTH 152 Introduction to Physical Geology 4 cr**  
Studies the earth, including the origin and types 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

**ERTH 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

**ERTH 270 Weather and Climate 3 cr**  
Examines general meteorological 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

**ERTH 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

**ERTH 300 Topics in Earth Science 3 cr**  
Analyzes and evaluates contemporary problems in Earth Science. Course attributes: ENVI.  
Prerequisite: ERTH 151or ERTH 152 or ERTH 245

**ERTH 330 National Parks and Monuments 3 cr**  
Studies the topography, geology, climate, flora, fauna and scenic qualities of national parks and monuments by describing the history of the national park system and factors threatening its existence. Course attributes: ENVI.  
Prerequisite: ERTH 151or ERTH 152 or ERTH 245

**ERTH 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

**ERTH 500 Independent Study 1 to 3 cr**  
Independent effort directed to the in-depth study of some aspect of earth science. Course attributes: ENVI.  
Prerequisite: Department 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

## **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 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 United States History to 1877** 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 United States History after 1877** 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 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: CRCU, SOCJ. 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, SOCJ. 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, SOCJ. 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, SOCJ. 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 450 Career and ePortfolio Workshop** 1 cr  
Provides senior students majoring in History with an opportunity and framework to reflect on their past work in the major and the wider liberal arts as well as look forward to opportunities and challenges after graduation. Completion of an ePortfolio will be an essential component. Students will work with the instructor, career service professionals, and alumni to understand career and graduate school possibilities and prepare strategies for success. Prerequisite: HIST major, senior status

**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)**

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**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 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 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. Course attributes: HONR.  
Prerequisite: Department approval

**HONR 550 Commonwealth Scholar Thesis Research** 3 cr  
Independent research, writing, and editing of a Commonwealth Scholar thesis under the direction of a faculty sponsor and the director(s) of the honors program. Program of study to be approved in the previous semester, and culminating in a public presentation and defense of the thesis. This course is repeatable for a maximum of 6 credits. Course attributes: HONR.  
Prerequisite: Honors Program Director Approval

## **INTERDISCIPLINARY STUDIES (IDST)**

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**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, SOCJ.  
Prerequisite: None

**IDST 200 Introduction to Leadership** 3 cr  
The foundation course in the Leadership Minor. A description and comparison of major leadership theories along with current applications and case examples. Also examines issues of ethics, power, teams and women in leadership. Each student will be involved in a service/leadership and reflection experience throughout the semester which will develop their leadership skills, and identify the student's own leadership philosophy and style. Course attributes: LDRS.  
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.  
Prerequisite: None

**IDST 299 Introduction to 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; 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 350 World History in Contexts** 3 cr  
Focuses on the history of a geographic area, nation, epoch, or selected social group. Students will critically engage with a variety of sources, such as written historic documents, oral histories, literary texts, music and cinematic representations of past and present human experience in local and global (particularly non-Western) contexts. Course topic identified by subtitle (e.g. History of Africa in Literature and Film; Women in History and Society).  
Prerequisite: Junior/senior status

**IDST 360 Topics in Culture and Society** 3 cr  
Explores complex and controversial topics in culture and society from the vantage point of at least two different disciplines (e.g. sociology, history, psychology, literature, cultural studies) and interdisciplinary perspectives. Course topics identified by subtitle (e.g. Madness and Society; Prison and Society; Globalization; Global Migration; Popular Cinema and Society in India and the Diaspora; Culture, Power, and Society; Nationalism and Religious Fundamentalism).  
Prerequisite: Junior/senior status

**IDST 395 Leadership Practicum** 1 to 3 cr  
Students engage in leadership and/or service experiences either on or off campus and meet weekly for instructor-led supervision, which comprises the presentation of selected reading topics (e.g. teambuilding) and reflection activities (e.g. journal discussion) in a small group setting. Leadership Practicum does not count toward the IDST major. Course attributes: LDRS.  
Prerequisite: Instructor approval

**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 antiderivative. 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 Proof I** 3 cr  
Introduces sets, Boolean logic, combinatorics, functions, and the basics of mathematical proof. Prerequisite: Completion of Tier I Quantitative Reasoning or instructor 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, sequences and summation. Prerequisite: None

**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 240

**MATH 281 Linear Programming** 3 cr  
Examines the solution of linear programming problems using graphical methods, the simplex algorithm and the computer. Additional topics may include duality theory and applications chosen from the transportation problem, the personnel assignment problem and two-person, zero-sum games. Prerequisite: MATH 261

**MATH 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 310 Proof II** 3 cr  
Examines a wide variety of proof techniques (e.g. direct, by contradiction, by contrapositive, bi-directional, uniqueness, by induction, by counter-example). Students will practice these techniques and learn how and when to apply each one. Functions and relations will provide many examples, and be covered in-depth. Prerequisite: MATH 240

**MATH 320 Calculus II** 3 cr  
Studies antiderivatives, the definite integral, transcendental functions, techniques and applications of integration, an introduction to improper integrals. The second of a four-part sequence. Prerequisite: MATH 220

**MATH 328 Interest Theory** 3 cr  
Treats topics from the mathematical theory of compound interest. Problems dealing with annuities, amortized schedules, sinking funds and bonds will be analyzed. Prerequisite: MATH 320

**MATH 330 Calculus III** 3 cr  
Studies infinite series, plane curves, polar coordinates, vectors, vector-valued functions and analytic geometry in three-dimensional space. The third of a four-part sequence. Prerequisite: MATH 320

**MATH 331 Probability and Statistics I** 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 430 or concurrent enrollment in MATH 430

**MATH 332 Probability and Statistics II** 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

**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 310

**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 Abstract Algebra** 3 cr  
Introduces the study of algebraic structures with a detailed examination of groups, their properties, and their mappings, including both isomorphic and homomorphic mappings. Cyclic, symmetric, and quotient groups will be studied, as well as groups of permutations, cosets, and normal subgroups. Also covers the Fundamental Homomorphism Theorem. Prerequisite: MATH 310

**MATH 365 Mathematical Modeling** 3 cr  
Explores the development of mathematical models that solve different types of problems, including both discrete and continuous real-world problems that are either deterministic or probabilistic. Determines solutions analytically and through the use of mathematical software.  
Prerequisite: MATH 320

**MATH 372 History of Mathematics** 3 cr  
Examines the historical development of mathematics and its impact from ancient to modern times.  
Prerequisite: MATH 320

**MATH 380 Differential Equations** 3 cr  
Examines first- and second-order differential equations with particular emphasis on nth order equations with constant coefficients, differential operators, systems of equations, series solutions, and Laplace transforms.  
Prerequisite: MATH 330, CSCI 121 or CSCI 246

**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 310

**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** 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 310, MATH 330

**MATH 465 Financial Mathematics** 3 cr  
Introduces the concepts of probability theory: discrete and continuous random variables, and their probability distributions. Covers Brownian motions and geometric Brownian motion, the binomial model, the Black-Scholes formula; the markets for futures, options, and other derivatives. Discusses the mechanics of trading, pricing, hedging, and managing risk using derivatives.  
Prerequisite: MATH 320

**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, CRCU, SOCJ.  
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  
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  
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  
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, 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: LDRS, 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: 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 115 Physics for Future Presidents** 3 cr  
Focuses on the physics and technology associated with current complex world issues, including energy production, climate change, water supply, privacy issues, etc. Provides an overview of the physics needed to know in order to make wise, informed decisions about issues such as these. Strongly recommended for physics majors. Course attributes: CST.  
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 Mechanics** 4 cr  
First course in a three-course introductory physics sequence which utilizes a calculus-based approach to study the natural world. This course focuses on kinematics, dynamics, conservation of energy and momentum, and rotational motion. Required Laboratory. Course attributes: CSTL.  
Prerequisite: MATH 150 or MATH 220

**PHYS 200 Seminar for Physics Majors** 1 cr  
Explores the discipline of physics in order to support majors in their academic work and help them understand their career options. Explores the diversity of fields within physics through presentations, reading and writing activities and interactions with peers and mentors. This seminar is required for all MCLA physics majors.  
Prerequisite: None

**PHYS 251 Introduction to Electricity & Magnetism** 4 cr  
Second course in a three-course introductory physics sequence which utilizes a calculus-based approach to study the natural world. This course focuses on electricity and magnetism, including Maxwell's Laws. Required Laboratory. Course attributes: CSTL.  
Prerequisite: PHYS 151, MATH 220

**PHYS 252 Introduction to Waves, Optics, and Relativity** 4 cr  
Third course in a three-course introductory physics sequence which utilizes a calculus-based approach to study the natural world. This course focuses on waves, optics, and special relativity. Required Laboratory.  
Prerequisite: PHYS 251, MATH 320

**PHYS 301 Classical Mechanics** 3 cr  
Studies particle motion in two- and three-dimensions, systems of particles, rigid bodies, moving coordinates systems, and Lagrange's equations.  
Prerequisite: PHYS 252, MATH 330

**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 305 Electronics** 3 cr  
Provides experience in building and analyzing analog and digital circuits and becoming familiar with the standard electronics lab equipment, such as oscilloscopes, power supplies, function generators, and multimeters. Students will build circuit containing resistors, capacitors, inductors, transistors, and logic gates and analyze these circuits, which entails calculating the theoretical output (voltage, current, signal shape) and comparing these predictions to the experimental output.  
Prerequisite: PHYS 351

**PHYS 351 Modern Physics** 4 cr  
Studies the discovery of various physical phenomena which led to the development of quantum mechanics and introductory quantum mechanics. Required Laboratory.  
Prerequisite: PHYS 252

**PHYS 361 Mathematical Physics** 3 cr  
Presents mathematical methods of use in the solution of physical problems. Topics covered include linear equations: vectors, matrices, and determinants, multiple integrals: applications of integration, vector analysis, ordinary and partial differential equations, coordinate transformations and tensor analysis, and probability.  
Prerequisite: MATH 320

**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 403 Introduction to Particle Physics** 3 cr  
Introduces the concepts necessary to understand the structure of matter at the most fundamental level. Considers matter in terms of its most elementary constituents, and discusses the properties, classifications, and forces which act on these particles. Discusses the relationship between conservation laws and symmetries. The experimental study of elementary particles is discussed throughout the course. Concludes with a discussion of outstanding questions in the field.  
Prerequisite: PHYS 351

**PHYS 404 Introduction to Solid State Physics** 3 cr  
Provides an introduction to the physics of solids. Students will characterize the properties of static (crystal structure) and dynamic (lattice vibrations) arrangements of atoms. Students will study electrons in solids and identify key features distinguishing metals, insulators and semiconductors. Semiconductor devices and, time permitting, biological systems will also be discussed.  
Prerequisite: PHYS 351

**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 351

**PHYS 499 Teaching Assistantship in Physics** 1 to 3 cr  
Provides the opportunity for a student to assist in the preparation and/or implementation of a physics course.  
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. Course attributes: CRCU.  
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 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: CRCU.  
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, daycare 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: C&FS, SOCJ, 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 450 Career and ePortfolio Workshop** 1 cr  
Provides senior students majoring in Political Science and Public Policy with an opportunity and framework to reflect on their past work in the major and the wider liberal arts as well as look forward to opportunities and challenges after graduation. Completion of an ePortfolio will be an essential component. Students will work with the instructor, career service professionals, and alumni to understand career and graduate school possibilities and prepare strategies for success.  
Prerequisite: PSPP major, senior status

**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). Course attributes: C&FS.  
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). Course attributes: C&FS.  
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, LDRS.  
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 Psychological 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 introduces data analysis software applications.  
Prerequisite: PSYC 100 and Tier I Quantitative Reasoning

**PSYC 291 Psychological 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

**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. Course attributes: LDRS.  
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. Course attributes: C&FS.  
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: C&FS, 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: C&FS, 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 Measurement and Assessment** 4 cr  
Introduces concepts related to psychological testing and measurement. Topics will include measurement theory, psychometric principles, ethics of measurement and assessment, and measurement design in different settings (government, clinical, educational, and/or industrial/organizational). Mastery of course material determined by design, administration, interpretation and critique of assessments. Content identified by subtitle. This course is repeatable for a maximum of 8 crs. 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. Course attributes: C&FS.  
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. Course attributes: C&FS.  
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. Course attributes: C&FS.  
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 with all grades assigned as pass/fail. Enrollment requires permission of the instructor.  
Prerequisite: 200-level PSYC course, instructor approval

**PSYC 397 Research Seminar:** 4 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. Content identified by subtitle. This course is repeatable for a maximum of 8 crs. Required laboratory.  
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 Practica 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

## **SOCIOLOGY (SOCI)**

**SOCI 100 Introduction to Sociology** 3 cr

Introduces the history, major concepts, and methods of sociology. Examines elements of social organization, sociological analysis of groups and relationships between major institutions of society. Emphasizes the idea of the sociological imagination and its application to contemporary issues. 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, SOCJ.

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: C&FS, CSS, WMST.

Prerequisite: SOCI 100 or a 100-level Self & Society course

**SOCI 282 Social Constructions of Deviance** 3 cr

Analyzes social definitions of and responses to deviance, as well as explanations of its causes. Examines drug and alcohol use and abuse, mental illness, sexual and gender differences, and other issues frequently considered deviant. Course attributes: CSS.

Prerequisite: SOCI 100

**SOCI 305 Latinas in US Society** 3 cr

Addresses the modern lives of young Latinas in the U.S. Topics to be discussed include, but are not limited to, family, friendship, romance, appearance, identity, and socioeconomic status. In particular, the subject of "voice" or "voz" and the strength Latinas gain in society through expressing their opinions and giving testimony will be explored. The subject of the commodification and national/intercultural expectations of the body of Latinas will also be given much attention. Course attributes: C&FS, CRCU, SOCJ, WMST.

Prerequisite: SOCI 100



**SOCI 312 Sociological Theory** 3 cr  
Explores the meaning of theory and its utility in the sociological enterprise. Examines foundational works of major classical theorists (Comte, Marx, Weber, Durkheim) and introduces contemporary perspectives such as symbolic interactionist, critical, feminist, and postmodern theories. Prerequisite: SOCI 100 and two SOCI 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 Race and Ethnic Relations** 3 cr  
Explores the intersection of race, ethnicity, and issues of diversity in the U.S. and beyond. Begins by establishing what race and ethnicity are in the U.S. Course topics related to race will include family relations, friendships, urban life, gender, socioeconomic status, stereotypes, community, and space/location. Occurrence of racism and related inequality in its various forms is a central discussion thread throughout the course. Course attributes: CRCU, SOCJ. Prerequisite: SOCI 100

**SOCI 322 Population** 3 cr  
Studies human populations in terms of size, composition, and distribution, and the causes and social consequences of these three characteristics. Examines issues of population policy at community, 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 sociological methods commonly used in the study of the social world, 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. May include an independently designed research project. Prerequisite: SOCI 100 and two SOCI electives

**SOCI 335 Health and Aging** 3 cr  
Provides an overview of issues related to health and aging at the personal and societal levels. Discusses myths and stereotypes of aging and the concept of successful aging. Examines life expectancy, chronic disease, and their impact on an aging society. Prerequisite: SOCI 100

**SOCI 336 Death and Dying** 3 cr  
Analyzes social and cultural meanings of this final stage of development, the process of dying, death rituals, near death experiences, grief/bereavement, caring relationships, and ethical, legal, and medical issues. Examines how social change affects social practices related to death and dying. Prerequisite: SOCI 100

**SOCI 337 Aging and the Life Course** 3 cr  
Focuses on understanding the changes in social roles and relationships that occur as people move through their life course. Examines social forces that influence the individual aging experience. Explores the relationship between quality of life in old age and in individual's cumulative life experiences. Analyzes social, psychological, physical, medical, and economic aspects of an aging society. Course attributes: C&FS. Prerequisite: SOCI 100, junior/senior status

**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: SOCJ. 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. Course attributes: C&FS. 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: SOCJ. 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: C&FS, 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 402 Genocide** 3 cr  
Examines legal definition and cases of genocide to understand structural preconditions and effective prevention strategies. Course attributes: CRCU, SOCJ. Prerequisite: SOCI 100 and junior/senior status or instructor approval

**SOCI 403 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: LDRS, SOCJ. Prerequisite: SOCI 100 and junior/senior status or instructor approval

**SOCI 410 Sociology of Education** 3 cr  
Uses a race, class, gender analytic structure to investigate social inequalities in education. School choice, urban schools, school sports, space/location, and friendship are some of the areas that will be explored. Family involvement in school choice, tracking, and magnet programs will also be considered. Grade school through college educational outcomes will be addressed. Course attributes: C&FS. Prerequisite: SOCI 100 and junior/senior status or instructor approval

**SOCI 415 Sociology of Happiness** 3 cr  
Explores attainment and production of human happiness at individual and societal levels. It examines happiness theory and research from sociology, philosophy, anthropology, social psychology, health, political science, economics, public policy, and other fields to provide a comprehensive understanding of wellbeing and its multiple sources. Prerequisite: SOCI 100 and junior/senior status or instructor approval

**SOCI 425 Sociology of Childhood** 3 cr  
Explores the sociology of childhood. The course will begin by establishing definitions for the child and the sociology of childhood. Methodological issues surrounding children as research subjects, meaning making, sense of belonging, inequality, and culture in the worlds of childhood will be addressed. There will be a special focus in this course on the existence and displays of agency and interpretive reproduction in children's lives. Course attributes: C&FS. Prerequisite: SOCI 100 and junior/senior status or instructor approval

**SOCI 432 Doing Sociology: Workshop in Research Methods** 4 cr  
Provides experience in designing and carrying out an applied community or institutional research project. Involves practical application of research techniques and includes: a review of the literature, questionnaire construction, interviewing/data gathering, coding and data analysis.  
Prerequisite: SOCI 100, SOCI 331, and department approval

**SOCI 441 Social Stratification** 3 cr  
Explores and analyzes stratification systems, theories of stratification, social mobility, types of inequality, methods of measuring inequality, and the impact upon life style and personality. Course attributes: SOCJ.  
Prerequisite: SOCI 100 and junior/senior status or instructor 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 501 Research Assistant** 1 to 3 cr  
Students will assist faculty member in conducting original quantitative and/or qualitative research projects. The responsibilities may include collecting archival, ethnographic, interview, or focus group data, working with data sets, or other research activities. This course is repeatable for a maximum of 6 credits.  
Prerequisite: SOCI 331, junior/senior status, instructor approval

**SOCI 505 ProSeminar** 3 cr  
Prepares students for the start of potential graduate studies in the social sciences or a related discipline. The seminar will focus on and facilitate student exploration of graduate education and training opportunities including such topics as: the graduate school/program research and selection process; crafting curriculum vitae and/or business resumes; constructing a statement of purpose; and editing writing samples for graduate applications.  
Prerequisite: Instructor 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: C&FS, SOCJ, WMST.  
Prerequisite: SOCI 100 or any Self & Society course

**SOWK 348 Social Work Skills** 3 cr  
Focuses on fundamental social work skills such as establishing a helping relationship, interviewing, listening, feedback, summarizing, and problem solving. Explores contracting, professional values, termination work, and social worker roles of mediator, advocate, outreach worker, social broker, and activist.  
Prerequisite: SOCI 100 or PSYC 100

**SOWK 355 Community Organizing** 3 cr  
Explores community organizing as a means of empowering citizens to make successful changes in the social issues impacting their communities. Involves the study of theories of community organizing and social change and participation in projects offering a chance to learn about community organizing through practice. Course attributes: LDRS.  
Prerequisite: SOCI 100, recommended SOWK 348

**SOWK 380 Women and Health** 3 cr  
Focuses on issues related to women's health status in the U.S. and around the world. Examines topics such as: female sexuality, reproduction and fertility management, eating disorders, victims of sexual abuse, women as health care practitioners, the impact of modern medical technology, and the influence of the women's health movement in encouraging self-responsibility. Course attributes: C&FS, 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: C&FS, 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. Course attributes: C&FS.  
Prerequisite: SOCI 100 or PSYC 100

**SOWK 475 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: C&FS, WMST.  
Prerequisite: SOCI 100 or PSYC 100 and junior/senior status, or instructor approval

**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 501 Research Assistant 1 to 3 cr**  
Students will assist faculty member in conducting original quantitative and/or qualitative research projects. The responsibilities may include collecting archival, ethnographic, interview, or focus group data, working with data sets, or other research activities. This course is repeatable for a maximum of 6 credits.  
Prerequisite: SOCI 331, junior/senior status, instructor 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 110 Introduction to Stagecrafts 3 cr**  
Provides a foundation in the practice of technical theatre, preparation for work in scenery, lighting, and costumes. Class projects are designed to reinforce specific technical skills discussed and demonstrated in class. Additionally, the required lab time outside of class provides hands-on experience.  
Prerequisite: None

**THEA 120 Introduction to Performance 3 cr**  
Introduces the fundamentals of stage performance. Improvisation, relaxation, and character exercises build awareness of skills necessary for successful live performance. Presents basic acting vocabulary/theory. Develops confidence performing in front of others. Includes readings, plays in context, viewing of live theatre, and short writing assignments. Fosters more informed observers of performance experience. Course attributes: CCA.  
Prerequisite: None

**THEA 200 Introduction to Theatre 3 cr**  
Surveys historical development of world theatre emphasizing western dramatic tradition. Introduces a broad range of theatrical literature and theory within its historical context. Includes class discussions and writing assignments, as well as viewing of live theatre, panel discussions, and critical response sessions. Course attributes: CCA.  
Prerequisite: None

**THEA 220 Beginning Acting 3 cr**  
Sets foundation for the integrated voice, movement and acting training sequence. Draws from diverse sources to develop the actor's instrument and its potential for stage performance. Beginning with non-verbal exploration and movement study, students progress to character exercises with text. Designed to increase body awareness, expand flexibility and control, reinforce acting vocabulary and theory, and promote understanding of the demands of creating dynamic characters for stage performance.  
Prerequisite: THEA 120

**THEA 230 Stagecraft II: Scene Construction 3 cr**  
Provides the student with the basic knowledge of stage construction. Familiarizes students with the methods, materials, equipment, concepts and processes involved in the construction 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 techniques. Hands-on experience will be gained by completing lab hours in the scene shop; assisting in the construction and installation of theatre program season.  
Prerequisite: THEA 110

**THEA 240 Stagecraft II: Costume Construction 3 cr**  
Provides basic knowledge of costume construction. Familiarizes students with the methods, materials, equipment, concepts and processes involved in the construction of costumes for theatre production. Emphasis of this course will be on the physical process that results in the production of costumes through construction techniques. Hands-on experience will be gained by completing lab hours in the costume shop; assisting in the construction and installation of theatre program season.  
Prerequisite: THEA 110

**THEA 250 Fundamentals of Theatre Design 3 cr**  
Explores the creative process and the principles and tools of design as they apply to theatrical production. Emphasis will be on script analysis, graphic techniques, and research for and of design. Introduces the student to the vocabulary, fundamental elements and principles of design and how they apply to the theatre experience of scenery, costume and lighting design to include discussion, appreciation and evaluation of theatrical design.  
Prerequisite: None

**THEA 271 Play Analysis 3 cr**  
Introduces the basic principles, techniques and challenges of analyzing plays for theatrical production. Focuses on the process of reading and analyzing plays while developing basic vocabulary of dramatic styles. Develops basic knowledge of principles of dramatic structure through readings from a diverse range of theatre texts from the western canon. Goal is to discover what the playwright has dramatized and how best to realize it on stage clearly, imaginatively and powerfully.  
Prerequisite: THEA 200

**THEA 370 Collaboration 3 cr**  
Develops practical studio in theatrical collaboration designed for both performance and production students. Develops skills in collaboration across artistic disciplines, offering effective strategies for communication as students create and perform short projects. Offers direct, real-world experience in theatrical collaboration and leadership, allowing the individual to test skills talents and creative ideas in an environment conducive to both individual and collective artistic growth.  
Prerequisite: THEA 200, THEA 250, THEA 271

**THEA 372 Theatre Practicum 1 cr**  
Provides practical experience on performance and production related activities for Theatre Program productions during semester. Students may repeat this course for credit.  
Prerequisite: By audition or interview only

**THEA 379 Topics in Theatre Production 3 cr**  
Studies in depth a specific aspect of theatre production. Designed to provide advanced experience in materials and techniques used in theatre. Topics are offered on a rotating basis and focus on a specialized aspect of production technique. Topics may include: Historical Patterning, Computer-Aided Drafting, Advanced Lighting Technology, Stage Management. Students may repeat enrollment for credit but may not repeat topics.  
Prerequisite: THEA 110, THEA 230 or THEA 240

**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 200

**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 200

**THEA 470 Directing 3 cr**  
Explores the fundamentals of direction for the stage, including analysis, composition and staging. Begins with play analysis from a director's point of view, followed by exploration of stage composition, then progresses to staging and working with actors. The various exercises culminate in the direction of a short play for public performance. The goal is to increase understanding of the many roles and responsibilities required of the theatre director as artist and collaborator.  
Prerequisite: THEA 120, THEA 200, THEA 271, THEA 250, THEA 370

**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 their junior or senior year. Includes topics such as: Accents and Dialects for the Stage, Advanced Directing, Clowning and Comedian, Collaborative Theatre Ensemble, Contact Improvisation, Hip Hop Theatre, Improvisation, Mask Performance, Melodrama, Period Dance for Stage, Physical Comedy, Puppetry, Spoken Word, and Stage Combat.  
Prerequisite: Instructor approval

## TRAVEL (TRVL)

**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 countries/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 AngloAmerican 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 Service 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:

C&FS= Child and Family Studies Minor

CAP = Core Capstone Experience

CCA = Core Creative Arts

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, and Writing

ENVI = Environmental Studies

HONR = Honors Program

LDRS = Leadership Minor

SOCJ = Cross-Cultural Social Justice – Social Justice Track

WMST = Women's Studies

# FACULTY LISTING

## BIOLOGY DEPARTMENT

### PROFESSOR

**Jerry Smosky:** genetics, immunology, and evolution  
B.S., Appalachian State Teachers College  
M.S., University of South Carolina  
Ph.D., University of South Carolina

### ASSOCIATE PROFESSOR

**Ann Billetz:** cell biology, microbiology, parasitology and introduction to biology  
B.S., Walsh College  
M.S., Cleveland State University  
Ph.D., Cleveland State University  
**Anne Goodwin:** zoology, animal physiology, marine biology, and nutrition  
B.A., Albion College  
Ph.D., Harvard University  
**Peter Hoyt:** athletic training  
B.S., Mercyhurst College  
M.S., Old Dominion University  
Ph.D., Rocky Mountain University

### ASSISTANT PROFESSOR

**Eric Doucette:** botany and ecology  
B.S., University of Maine  
Ph.D., University of Maine  
**Justin Golub:** animal behavior, developmental biology, evolution, and biotechniques  
B.S., Union College  
M.S., Concordia University  
Ph.D., Clark University  
**Ryan Krzyzanowicz:** clinical athletic training, accreditation  
B.S., Slippery Rock University  
M.S., Old Dominion University  
D.A.T., University of Idaho

### Instructor

**Marisa Benson:** exercise physiology, human anatomy and physiology  
B.S., University of Rhode Island  
M.S., University of Rhode Island  
Doctoral candidate, Syracuse University

## BUSINESS ADMINISTRATION AND ECONOMICS DEPARTMENT

### PROFESSOR

**Behzad Khajehzadeh (Ben Kahn):** economics, management  
B.S., University of Teheran  
M.A., University of Albany SUNY  
**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  
B.S., American International College  
M.B.A., American International College  
**Chali Nondo:** economics  
A.S., Community College of Allegheny County  
B.S., California University of Pennsylvania  
M.B.A., California University of Pennsylvania  
Ph.D., West Virginia University

### ASSISTANT PROFESSOR

**Tara J. Ferriter:** accounting  
B.S., University of Phoenix  
M.B.A., Massachusetts College of Liberal Arts  
**Thomas Whalen:** management, marketing, leadership, culture studies  
B.S., U.S. Naval Academy  
M.S., Troy University  
Ph.D., Gonzaga University

## 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

### ASSISTANT PROFESSOR

**Carolyn Dehner:** biochemistry  
B.S., State University of New York, Geneseo  
Ph.D., University of Notre Dame

## COMPUTER SCIENCE DEPARTMENT

### ASSOCIATE PROFESSOR

**Mark Cohen:** professional software development, object oriented design, multi-tiered software development, computer science theory  
B.S., Lafayette College  
M.S., Drexel University  
Ph.D., Pennsylvania State University  
**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  
**John V. Ridgway:** Programming, software engineering  
B.S., Swarthmore College  
M.S., University of Massachusetts – Amherst  
Ph.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., Massachusetts College of Liberal Arts  
Ed.D., Hofstra University  
**Dana Rapp:** democratic practice and politics of education  
B.A., Indiana University  
M.A., James Madison University  
Ph.D., Indiana University

**Ann C. Scott:** literacy, multicultural education, language acquisition  
B.A., Smith College  
M.Ed., University of Massachusetts, Amherst  
Ed.D., University of Massachusetts, Amherst

### ASSOCIATE PROFESSOR

**Dale Fink:** early childhood education, special education  
A.B., Harvard College  
M.Ed., Antioch University of Open Education  
Ph.D., 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., Stonybrook University  
Ph.D., Teachers College Columbia University

## 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  
**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., University of Albany SUNY  
**Joseph M. Ebiware:** mass media, broadcast journalism, speech, scriptwriting  
B.S., Syracuse University  
M.S., Syracuse University  
Ph.D., Syracuse University  
**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, Amherst



**Mark D. Miller:** American literature, poetry, Robert Penn Warren  
B.A., University of Houston  
M.A., University of Houston  
Ph.D., University of Texas

#### ASSISTANT PROFESSOR

**Jenifer Augur:** fiction writing, journalism  
B.A., Southampton College of Long Island University  
M.A., West Georgia College  
M.F.A., University of Massachusetts, Amherst  
**Amber Engelson:** writing studies; global literacies; feminist rhetorics; writing across curriculum  
A.B., Occidental College  
M.A., University of Massachusetts, Amherst  
Ph.D., University of Massachusetts, Amherst  
**Zachary Finch:** American literature, creative writing, contemporary poetry and poetics  
B.A., Dartmouth College  
M.F.A., Warren Wilson College  
Ph.D., University of Buffalo  
**D. Gilson:** Creative nonfiction, poetry, American literature, cultural studies  
B.S., Missouri State University  
M.A., Missouri State University  
M.F.A., Chatham University  
Ph.D., The George Washington University  
**Shawn McIntosh:** Digital journalism, social production communities, media studies, strategic communications  
B.S., University of Idaho  
M.Sc., Columbia University Graduate School of Journalism  
Doctoral Candidate, Rutgers University  
**Jenna Sciuto:** Global Anglophone Literature and Language  
B.A., Brown University  
M.A., Boston University  
Ph.D. Northeastern University

#### INSTRUCTOR

**Mary Levitt:** composition, tutor training  
B.A., SUNY, Potsdam  
M.A., University of Buffalo  
M.Ed., University of Buffalo

#### ENVIRONMENTAL STUDIES DEPARTMENT

#### PROFESSOR

**A. Donald Hyers:** earth science  
B.A., Elmhurst College  
M.A., Western Michigan University  
Ph.D., Arizona State University

#### ASSOCIATE PROFESSOR

**Daniel Shustack:** wildlife conservation  
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  
**Lisa Donovan:** arts management, arts education, arts integration, arts based research  
B.A., SUNY Oneonta  
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

#### ASSOCIATE PROFESSOR

**Michael Dilthey:** music theory/composition  
B.M., Southern Illinois University  
M.M., University of Missouri  
D.Mus., Northwestern 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

#### ASSISTANT PROFESSOR

**Joshua Ostraff:** studio art and design  
B.F.A., Brigham Young University  
M.F.A., Brigham Young University  
**Diane Scott:** fine arts entrepreneurship, strategic management in arts and non-profit organizations, leadership  
B.A., Wichita State University  
M.B.A. Wichita State University

**Andrea Williams:** theater, costumes, and make-up  
BA, Ripon College  
MFA, University of Arkansas  
**Jeremy Winchester:** theater, scenic, and lighting  
BFA, University of Oklahoma  
MFA, University of Washington

#### HISTORY/POLITICAL SCIENCE AND PUBLIC POLICY DEPARTMENT

#### PROFESSOR

**Kailai Huang:** Asian history, world civilization  
B.A., Hebei University, Baoding, China  
M.A., Beijing Normal University, Beijing, China  
Ph.D., Binghamton University  
**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  
**Ely Janis:** post-civil war United States history, immigration and ethnicity  
B.A., University of Oregon  
M.A., Boston College  
Ph.D., Boston College

#### ASSISTANT PROFESSOR

**David Cupery:** Latin America, Sub-Saharan Africa, international relations, political and economic development, political economy, civil conflict  
B.A., Centre College  
Masters in International Sciences and Diplomacy, Universidad de Guayaquil, Ecuador  
Ph.D., University of Colorado-Boulder  
**Samantha Pettey:** American politics; women and politics; state and local politics; research methods  
B.A., University of Massachusetts-Dartmouth  
M.A., University of Rhode Island  
Ph.D., University of North Texas

#### FREEL LIBRARY

#### LIBRARIAN

**Linda Kaufmann**  
B.A., Marlboro College  
M.L.S., University of Albany, SUNY  
**Pamela Contakos**  
B.A., Marlboro College  
M.L.S., Syracuse University

#### 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  
**Christopher L. Thomas:** geometric group theory  
B.S., University of Massachusetts, Amherst  
Ph.D., Tufts University

#### ASSOCIATE PROFESSOR

**Elizabeth Hartung:** graph theory, modeling, combinatorics  
B.S., Indiana University of Pennsylvania  
M.S., Syracuse University  
Ph.D., Syracuse University

#### ASSISTANT PROFESSOR

**Erin Kiley:** Mathematics  
B.S., University of New Hampshire  
M.S., Worcester Polytechnic Institute  
Ph.D., Worcester Polytechnic Institute

#### PHILOSOPHY/MODERN LANGUAGES/ INTERDISCIPLINARY STUDIES DEPARTMENT

#### PROFESSOR

**David Braden-Johnson:** epistemology and metaphysics, ethics, aesthetics  
B.A., Georgetown University  
Ph.D., University of Massachusetts, Amherst  
**Susan Edgerton:** curriculum theory, social justice  
B.A., Louisiana Tech University  
M.S., Louisiana Tech University  
Ph.D., Louisiana State University

**Paul Nnodim:** German philosophy, social, political and legal philosophy, ethics  
B. Phil. 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  
**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

**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

#### ASSISTANT PROFESSOR

**Mariana Bolívar Rubín:** -Spanish ,20th and 21th Centuries Latin American/Caribbean literature, gender and film theory  
B.A., Colorado State University – Fort Collins, CO.  
M.A., Colorado State University – Fort Collins, CO.  
Ph.D., University of Colorado-- Boulder, CO  
Karen M. Cardozo: interdisciplinary, women's, and leadership studies  
B.A. Haverford College  
M.Ed. Harvard University  
Ph.D. University of Massachusetts Amherst

### PHYSICS DEPARTMENT

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#### 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, Amherst

#### ASSOCIATE PROFESSOR

**Emily Maher:** experimental particle physics  
B.A., Hendrix College  
Ph.D., University of Minnesota

#### ASSISTANT PROFESSOR

**Kebra Ward:** experimental optics  
B.S., University of Southern California  
M.S., Lehigh University  
Ph.D. Candidate, Lehigh University

### PSYCHOLOGY DEPARTMENT

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#### 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., University of Massachusetts, Dartmouth  
Ph.D., University of Albany, SUNY  
**Timothy B. Jay:** psycholinguistics, cognition, communication and perception  
B.A., Miami University of Ohio  
M.A., Kent State University  
Ph.D., Kent State University

#### ASSOCIATE PROFESSOR

**Sharon Claffey:** social support in married and cohabiting couples, division of household labor, academic motivation and achievement  
B.A., College of the 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  
Ph.D., Virginia Commonwealth University

#### ASSISTANT PROFESSOR

**Ruby Vega:** Learning and motivation, socially shared regulation of learning in small group formats  
B.A., University of Arizona  
M.A., University of Arizona  
Ph.D., University of Arizona

### SOCIOLOGY/ANTHROPOLOGY/SOCIAL WORK DEPARTMENT

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#### 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., Stony Brook University  
M.S.W., Stony Brook University

#### ASSOCIATE PROFESSOR

**Ingrid Castro:** sociology of education, sociology of childhood, minority groups  
B.A., University of Delaware  
M.A., Northeastern University  
Ph.D., Northeastern University  
**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

#### ASSISTANT PROFESSOR

**Anna Jaysane-Darr:**  
B.A., New York University  
M.A., University of London  
Ph.D., Brandeis University  
**Kerri Leyda Nicoll:** poverty & inequality, social policy, community and civic engagement  
BA, Connecticut College  
M.Div, Princeton Theological Seminary  
MSW, University of Pennsylvania  
PhD, University of Michigan

#### INSTRUCTOR

**Edward Curtin:** sociology of religion, sports and research methods  
B.A., Iona College  
M.A., Manhattan College  
M.A., City College of New York

**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	

Sept. 4 - Sept. 6 New Student First Days  
 5 Labor Day  
 6 Orientation  
 6 Late Registration  
 7 Classes Begin  
 15 Add/Drop Period Ends

**OCTOBER**

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					

10 Columbus Day  
 19 Incomplete Deadline  
 19 Mid-term Warnings  
 Day of Service to be determined

**NOVEMBER**

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			

2 End of Withdrawal "W"  
 11 Veterans Day  
 23-25 Thanksgiving Break  
 28 Classes Resume

**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

12 Day Classes End  
 13,17,18 Reading Days  
 14 Finals Begin  
 19 Finals End  
 15 Last Evening Class  
 21 Grades Due - Noon

**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				

TBA Transfer Orientation  
 16 Martin Luther King Day  
 17 Orientation / Late Registration  
 18 Classes Begin  
 26 Add/Drop Period Ends

**FEBRUARY**

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				

20 Presidents' Day

**MARCH**

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	

1 Incomplete Deadline  
 1 Mid-term Warnings  
 13-17 Spring Break  
 20 Classes Resume  
 22 End of Withdrawal "W"

**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 Patriot's Day  
 20 Undergraduate Research Conf.  
 Day of Service to be determined

**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	31			

1 Day Classes End  
 2,6,7 Reading Days  
 3 Finals Begin  
 8 Finals End  
 4 Last Evening Class  
 10 Grades Due - Noon  
 12 Baccalaureate  
 13 Commencement  
 29 Memorial Day