

MCLA

MASSACHUSETTS COLLEGE OF LIBERAL ARTS

My College. Right from the Start.

Undergraduate Academic Program Catalog

2015-2016



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MCLA
MASSACHUSETTS COLLEGE OF LIBERAL ARTS
North Adams, MA

UNDERGRADUATE
ACADEMIC PROGRAM CATALOG

www.mcla.edu

2015-2016

Mission Statement

Our Mission

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

Our Values

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

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

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

Discovery and Understanding: We understand intellectual disciplines and specific courses of study interact dynamically in academic and co-curricular experiences. We believe in strengthening student, faculty, and community interaction through engaging coursework, shared research, and service.

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

Inclusive Community: MCLA is committed to creating a campus climate and culture of mutual respect that represents and honors diversity in our

society. We celebrate this diversity and affirm the dignity and worth of all people. We intentionally integrate topics of social, cultural, and physical diversity in the curricular, co-curricular, and work life of our community.

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

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

Lifelong Learning: We empower learners to develop habits of learning that have integrity and engender respect for tradition. We deploy 21st century tools for learning in our academic and co-curricular programs that prepare students to be informed, engaged, and capable learners.

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

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

Accreditation Statement

MCLA is accredited by the New England Association of Schools and Colleges, Inc., 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 accredited 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.

MCLA Diversity Statement

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

Policy Statement on Affirmative Action, Nondiscrimination and Diversity

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.

Student Rights under FERPA

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

http://www.mcla.edu/Student_Life/resources/studenthandbook/FERPA/

Assessment of Student Learning

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

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

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

Admission Information and Personal Visits

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

Dates of Enrollment and Admission Options

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

Regular/Rolling Admission

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

Early Action: Optional for Fall Admission Only

Applicants who wish to receive their admissions decision early may submit their complete application package by Dec. 1 to the Office of Admission. Early action is not binding and only provides students with an early admission decision without obligation to enroll.

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

Admission Requirements and Procedures

Freshmen Admission Requirements - MCLA's admission standards are selective and decisions are made on an individual basis after careful review of all academic credentials. Freshman applicants must meet the Massachusetts Department of Higher Education admission standards and possess a high school diploma or equivalency at the time of enrollment. In order to be considered for admission, applicants must meet the minimum eligibility index (a sliding scale based on high school grade point average and SAT I or ACT test scores) and successfully complete the 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.

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/.

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

www.mcla.edu/Admissions/financialaid/bursar/index

(413) 662-5230, studentaccounts@mcla.edu

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

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

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

New England Regional Student Program-

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

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

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

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

Tuition and Fees - For information regarding current tuition and fees, please go to www.mcla.edu/studentaccounts .
www.mcla.edu/Admissions/financialaid/bursar/index

FINANCIAL AID INFORMATION

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

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

Refund Policy - Withdrawal prior to the first day of classes (official opening) a student receives a refund of 100 percent. All refunds for withdrawals after the start of classes are determined on a pro-rata basis up to the 60 percent point of the semester. Pro-rata refunds are calculated by determining the percentage of the semester that has been completed up to and including the official date of withdrawal. Based on this calculation, the College determines the amount of financial aid that is unearned and is responsible for returning any portion necessary to the appropriate financial aid programs. Repayment is made to the Federal programs in the following order: Federal Direct Unsubsidized Loan, Federal Direct Subsidized Loan, Federal Perkins Loan, Federal Direct Plus Loan, Federal Pell Grant and Federal Supplemental Educational Opportunity Grant. Any remaining credit balances will then be returned to state, institutional and student resources, in that order. All refunds will be made by check payable to the student. ***Please note withdrawal from the College could result in a balance owed to the College for federal aid***

that must be returned to the above programs. No refund will be made after the 60 percent point of the semester.

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

THE UNDERGRADUATE EXPERIENCE

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

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:

A. 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.

B. 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.

C. 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.

D. 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.

E. 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.

III. APPEAL PROCEDURES - ACADEMIC HONESTY:

A. 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.

B. 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.

C. 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.

D. 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.

E. 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

F. 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.

G. 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.

H. 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.

I. 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.

J. 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.

K. Students will be informed in writing of any sanction imposed on them, by the Academic Appeal Committee.

L. 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.

M. 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.

IV. HEARING PROCEDURES:

A. 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.

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

C. The Committee reserves the right to allow the faculty member involved to hear the student's testimony.

D. 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.

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

F. 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.

V. COMMITTEE MEMBERSHIP:

A. 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.

B. Membership of the committee hearing Grade Appeals and/or Academic Dishonesty Appeals shall consist of all members listed above as well as 2 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.

VI. VOTING PROCEDURES:

A. A quorum shall be at least 2 faculty, and 1 administrator for suspension appeals (in addition, one student for grade and dishonesty appeals).

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

C. Voting will be by secret ballot. D. Any member of the committee who is involved in a particular case may not participate in that case.

VII. REPORTS OF THE COMMITTEE DECISIONS:

A. 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.

B. 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.

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

Further information regarding instructor and student rights and responsibilities and appropriate procedures to be followed in applying this policy may be obtained from the Office of the Dean of Academic Affairs or the Registrar.

Academic 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) takes a holistic approach to cultivating student success and engagement with the MCLA community. The Center provides an intentional and seamless integration of academic support services together with quality out of class experiences to enhance success and engagement for all MCLA students. For more information, please go to www.mcla.edu/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, providing information about college policies and procedures, enhancing the accessibility of information to current and prospective students. Advising

Services also coordinates the advising of all undeclared students at MCLA, as well as students who are on academic probation or academic suspension. For more information, please go to www.mcla.edu/advising.

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

Academic Support provides help to students already enrolled in the College, college-bound high school students, and adults returning to post-secondary education. Numerous programs support and enhance students' academic success.

Enrollment in skill-based courses allows students to improve basic skills in reading, writing and mathematics before enrolling in introductory level college courses. Credits earned in skill-based courses (SKIL096, SKIL097) are additive credits. These credits are calculated into a student's cumulative grade point average and are included in determining full-time enrollment and satisfactory academic progress for financial aid eligibility. They do not, however, count toward the 120-credit graduation requirement at MCLA.

Academic Support is responsible for accommodations for students with disabilities. Students are encouraged to meet with a Disability Resource staff member to clarify reasonable accommodations and to receive feedback on how to advocate for their needs with their instructors. www.mcla.edu/Academics/csse/disability-services/

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

STEM Associates are available on a drop-in basis to assist students in their science, engineering, math and technology courses. Check the website for current hours:

www.mcla.edu/Academics/csse/Academic-Support/

Trained peer Writing Associates work with students in various stages of the writing process. Students bring a copy of their assignment and a rough draft or outline of their paper. Writing Associates provide constructive feedback, assistance with proofing, and assistance with citations. There is also an online submission dropbox.

www.mcla.edu/Assets/MCLA-Files/CSSE/disability-forms/academic%20support%20brochure%202015.pdf

For more information about Academic Support, please go to www.mcla.edu/Academics/csse/Academic-Support/

Exploratory Studies Program - The Exploratory Studies Program is designed to support students who have not declared a major. The program engages students with a variety of experiences designed to encourage informed decisions when choosing a major. These include working with academic advisors and exploring academic and career services. The Exploratory Studies Program is administered by the Center for Student Success and Engagement. For further information, please contact CSSE/Career Services at (413) 662-5400.

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.

Academic Policy Information

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

Student Handbook

To view a copy of MCLA's Student Handbook, go to www.mcla.edu/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. 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- The College will grant course credit for an AP score of 3 or higher. The policy statement appears within the explanatory paragraph in the catalog as follows: Advanced Placement (AP) program- sponsored by the College Entrance Examination Board (CEEB), offers students the opportunity to earn college credits. The Standardized AP exam usually is taken upon completion of a specific course of study in high

school. 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 to Advising Services for review and approval by the Physical Education Department. [A \$25 processing fee will be assessed for this service.] For more information, go to www.mcla.edu/Academics/continuing-education/newstudents/physicaleducationgraduationrequirements/

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.

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

Students interested in an internship should consult with individual academic departments or CSSE/Career Services. For more information about internship programs visit www.mcla.edu/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) 662-5332 or visit www.nse.org.

Study Abroad - MCLA offers students of all majors the opportunity to study throughout the world for a semester or an entire 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. Students must have a minimum 2.5 GPA in 60 credits before applying. For more information, call (413) 662-5332 or visit www.mcla.edu/Academics/csse/Study-Abroad/

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/Travel Courses](http://www.mcla.edu/Travel%20Courses).
www.mcla.edu/Academics/undergraduate-experience/travelcourses/index

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

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

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. FYE courses provide a common academic experience for first-year students to introduce them to the value of a liberal arts education. Courses are designed to foster students' enthusiasm for learning through reflection and inquiry, enhancing meaningful participation in the academic and co-curricular life of MCLA.

Graduation Requirements

1. The core curriculum requirements must be completed.
2. The requirements for the student's major must be completed (student must be matriculated).
3. A minimum grade point average of 2.000 overall and 2.000 in the major program requirements must be earned.
4. A minimum 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

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

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

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

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

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

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

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

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

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

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

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

ACADEMIC PROGRAMS OF STUDY

Art - www.mcla.edu/art

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

Arts Management - www.mcla.edu/artsmanagement

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

Athletic Training - www.mcla.edu/athletictraining

Athletic Training, B.S.

Biology - www.mcla.edu/biol

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

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, PMBA, Professional Masters of Business Administration
 Business Administration Minor
 Economics Minor
 Marketing Minor

Chemistry - www.mcla.edu/chem

Chemistry, 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

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 - www.mcla.edu/educ

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

English Communications - www.mcla.edu/engl

English, B.A.
 English, Literature Concentration, B.A.
 English, Journalism Concentration, B.A.
 English, Writing Concentration, B.A. (creative writing or professional writing)

English, Broadcast Media Concentration, B.A.
 English, Public Relations 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

Environmental Studies, B.S.
 Environmental Studies Minor
 Geography Minor

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

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

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)
History, Teacher of History or Political Science, Middle School Education, B.A. (B.S. in Education, is also available)
History, Teacher of History or Political Science, Secondary Education, B.A. (B.S. in Education, is also available)

Interdisciplinary Studies - 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

Mathematics, 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

Spanish Minor

Philosophy - 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

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

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

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

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

Women's Studies Minor - www.mcla.edu/wmst

Child and Family Studies Minor - www.mcla.edu/soci

Health, Aging, and Society Minor - www.mcla.edu/soci

Pre-Law Advising - www.mcla.edu/phil

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

CORE CURRICULUM

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

- Comprehending the possibilities and limitations of various fields of human inquiry;
- Understanding the complex interplay of beliefs, values and practices that characterize disciplined systems of knowledge;

- Adopting diverse perspectives to function in our multicultural world.

CORE CURRICULUM REQUIREMENTS

TIER I CORE FOUNDATIONS

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

TIER II CORE DOMAINS

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

TIER III CAPSTONE EXPERIENCE	3 cr
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TOTAL CORE CURRICULUM REQUIREMENTS	40-41 cr
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TIER I - CORE FOUNDATIONS

CRITICAL READING, THINKING, WRITING

ENGL 150 College Writing II

QUANTITATIVE REASONING

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

COMPUTING TECHNOLOGY/ PROBLEM SOLVING

CCCL 100 Computing and Communication

LANGUAGE ARTS

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

All students must complete a foreign/modern language course at the 102 level (second semester elementary level) or demonstrate proficiency at or above the second semester elementary level (e.g. through an assessment process). Entering students who have passed, with at least a C average, the equivalent of a fourth year level of a foreign/modern language are waived from MCLA's language arts requirement. Alternatively, students could elect to begin study of a new language at the first-semester elementary level (101) and subsequently complete the second semester elementary level (102) course in the same language.

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

TIER II - CORE DOMAINS

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

- Accurately describe the sense data of which an artwork is composed or which it evokes via verbal or other formal prompts (e.g. meter);
- Use the basic vocabulary of the art form(s) under consideration in order to describe the sense data of an artwork and to describe the techniques used in bodying forth the sense data;
- Use accurate description of sense data and the basic vocabulary of the art form(s) under discussion to describe patterns of significance (meaning, effect) in the work of art itself (analysis and interpretation);
- Understand how context is used to help interpret a work of art and should be able to use context in analysis and interpretation. ("Context" includes other work by the artist, the biography of the artist, the zeitgeist of the age in which the work was produced, and artistic conventions of the time.)

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
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	Deviant Behavior
WMST	201	Intro 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	104	How Things Work
CCST	105	The Chemistry of CSI
CCST	105H	Honors: The Chemistry of CSI
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	152	Environmental Resources: Science & Management	
ENVI	150H	Honors: Intro to Environ System	
ENVI	152H	Honors: Environmental Resources: Science and Management	
ENVI	225	Nature of New England	4 cr.
ENVI	226	Nature of New England	3 cr.
GEOG	151	Introduction to Physical Geography	
GEOG	152	Introduction to Physical Geology	
GEOG	245	Natural Hazards	
GEOG	270	Weather and Climate	
GEOG	271	Landforms	
PHYS	105	Physics and Everyday Thinking	
PHYS	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 your Capstone Senior Seminar you 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
- The Future of Food
- From DNA to Homo Sapiens
- Berkshire Art, Industry & Tourism
- Service Leadership
- News Literacy
- Light, Sight & Insight
- Changing North American Landscape
- Entrepreneurship & Culture
- Environmental Communications
- Thy 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

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 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	
OR AMGT335		Museum Studies	3 cr
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
ART	117	Great Monuments of Art I	3 cr
BADM	100	Explorations of Business	
OR ECON141		Macroeconomics	3 cr

BADM	224	Financial Accounting	
OR BADM	225	Managerial Accounting	3 cr
BADM	260	Management	3 cr
BADM	270	Marketing	3 cr
MUSI	251	Introduction to Music	3 cr
THEA	272	Exploring Production	3 cr
AMGT	235	Business Organization in Arts Management	3 cr

TOTAL FOUNDATION COURSES 27cr

Arts Management Courses

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

TOTAL ARTS MANAGEMENT REQUIREMENTS 18 cr

Select two electives from the following list:

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

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

TOTAL ELECTIVES COURSE 6 cr

TOTAL ARTS MANAGEMENT MAJOR REQUIREMENTS 51 cr

FINE AND PERFORMING ARTS MAJOR WITH CONCENTRATION IN ARTS MANAGEMENT PROGRAM

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

ARTS MANAGEMENT MINOR PROGRAM

Requirements

AMGT	130	Introduction to Arts Management	3 cr
AMGT	235	Business Organization in Arts 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	
Or AMGT	435	Advanced Museum Studies	3 cr

TOTAL ARTS MANAGEMENT MINOR REQUIREMENTS 18 cr

DEPARTMENT POLICY REGARDING DOUBLE MAJORS/ CONCENTRATIONS/MINOR PROGRAMS

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

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

ATHLETIC TRAINING

(413) 662-5345, www.mcla.edu/attr

Chairperson: Ann Billetz, Ph.D.

Email: A.Billetz@mcla.edu

PROGRAM AVAILABLE

BACHELOR OF SCIENCE IN ATHLETIC TRAINING

ATHLETIC TRAINING MAJOR PROGRAM

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

The athletic training major consists of two parts: a pre-clinical portion and a clinical education portion. Any student wishing to pursue a 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 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 throughout 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 psychomotor 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) 662-5345, www.mcla.edu/biol

Chairperson: Ann Billetz, Ph.D.

Email: A.Billetz@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
CHEM	150	Introduction to Chemistry I	4 cr
CHEM	152	Introduction to Chemistry II	4 cr
CHEM	201	Organic Chemistry I	4 cr
CHEM	202	Organic Chemistry II	4 cr
Biology Electives (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
MATH	232	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

**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 be accepted into the Doctor of Physical Therapy program at The Sage Colleges. Please contact Dr. Ann Billetz 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. Ann Billetz 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 necessary for professional responsibilities. The fourth year of the program consists of coursework in an accredited hospital with a school of

medical technology. During the hospital coursework, students receive clinical laboratory training. Hospitals and adjunct faculty affiliated with MCLA are as follows:

BERKSHIRE MEDICAL CENTER, PITTSFIELD

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

Jessica Krochmal, MD, Medical Director

Medical Technology Concentration

Requirements

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 150	Introduction to Biology	4 cr
BIOL 235	Botany	
OR BIOL 245	Zoology	4 cr
BIOL 240	Genetics	4 cr
BIOL 101	Biology Seminar for Majors	1 cr
BIOL 250	Nutrition	3 cr
BIOL 330	Biology Seminar	1 cr
BIOL 342	Anatomy & Physiology I	4 cr

BIOL 343	Anatomy & Physiology II	4 cr
BIOL 480	Cell Biology	4 cr
BIOL 320	Microbiology	4 cr
	BIOL upper level elective	3 cr
	CHEM 150 & 152 General Chemistry I & II	8 cr
	CHEM 201 & 202 Organic Chemistry I & II	8 cr
	PHYS 131 & 132 General Physics I & II	8 cr
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	4 cr
Or BIOL 150	Introduction to Biology	
	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: David Eve, Ed.D.

Email: D.Eve@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 responsible citizenship.

The program has several options, including a general program in business administration, as well as six areas of concentration. All of our options offer a strong foundation of required courses, combined with 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
ECON	141	Macroeconomics	3 cr
ECON	142	Microeconomics	3 cr
BADM	206	Math Methods of Business & Economics	3 cr
ECON	216	Statistics for Economics and Business	3 cr
BADM	224	Financial Accounting	3 cr
BADM	225	Managerial Accounting	3 cr
BADM	242	Legal & Social Environ of Business	
OR BADM201		Business Law I	3 cr
BADM	260	Management	3 cr

BADM	270	Marketing	3 cr
BADM	210	Information Technology for Business	3 cr
BADM	340	Financial Management	3 cr
BADM	510	Seminar in Business Policy	3 cr

Required Support Courses

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

Business Administration Courses 12 cr

Students, with their advisors, will select four upper-level courses from any 300 or higher level BADM/ECON courses for which the 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
ECON	141	Macroeconomics	3 cr
ECON	142	Microeconomics	3 cr
BADM	206	Math Methods of Business & Economics	3 cr
ECON	216	Statistics for Economics and 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	210	Information Technology for Business	3 cr
BADM	340	Financial Management	3 cr
BADM	510	Seminar in Business Policy	3 cr

ACCOUNTING**Requirements**

BADM	320	Accounting Systems	3 cr
BADM	321	Financial Reporting I	3 cr
BADM	322	Financial Reporting II	3 cr
BADM	330	Cost Accounting	3 cr

BADM	335	Federal Taxation - Individuals	3 cr
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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
ECON	141	Macroeconomics	3 cr
ECON	142	Microeconomics	3 cr
BADM	206	Math Methods of Business & Econ.	3 cr
ECON	216	Statistics for Economics and Business	3 cr
BADM	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	210	Information Technology for Business	3 cr
BADM	340	Financial Management	3 cr
BADM	510	Seminar in Business Policy	3 cr

Required Support Courses

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

EVENT MANAGEMENT TRACK**Requirements**

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

SPORT MANAGEMENT TRACK**Requirements**

BADM	240	Issues in Event & Sport Management	3 cr
BADM	345	Sport Finance & Economics	3 cr
BADM	386	Sport Marketing	3 cr
BADM	475	Seminar in Sport & Event 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	
SOCI	316	Sociology of Sports	

TOTAL EVENT & SPORT MANAGEMENT CONCENTRATION REQUIREMENTS**60 cr****CONCENTRATION IN INTERNATIONAL BUSINESS****Requirements**

BADM	100	Explorations in Business	3 cr
ECON	141	Macroeconomics	3 cr
ECON	142	Microeconomics	3 cr
BADM	206	Math Methods of Business & Economics	3 cr
ECON	216	Statistics for Economics & 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	210	Information Technology for Business	3 cr
BADM	340	Financial Management	3 cr
ECON	340	Money, Banking & Global Financial Markets	3 cr
BADM	350	Global Business & Economic Issues	3 cr
BADM	385	Global Marketing	3 cr
ENGL	400	Intercultural Communication	3 cr
BADM	510	Seminar in Business Policy	3 cr

Choose two of the following:

6 cr

HIST	401	Asia and the West
TRVL	300	Multinational Corp & Cultural Tour China

OR 6 credits drawn from appropriate History, Political Science, Anthropology, Travel and/or Study Abroad courses. Students should discuss these options with their faculty advisor.

Required Support Courses

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

TOTAL INTERNATIONAL BUSINESS CONCENTRATION REQUIREMENTS**60 cr****CONCENTRATION IN MANAGEMENT****Requirements**

BADM	100	Explorations in Business	3 cr
ECON	141	Macroeconomics	3 cr
ECON	142	Microeconomics	3 cr
BADM	206	Math Methods of Business & Economics	3 cr
ECON	216	Statistics for Economics & 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	210	Information Technology for Business	3 cr
BADM	340	Financial Management	3 cr
BADM	510	Seminar in Business Policy	3 cr

Select three from the following: 9 cr

BADM	361	Organizational Behavior	
BADM	362	Human Resource Management	
BADM	363	Operations Management	
ECON	343	Managerial Economics	

Select one of the following: 3 cr

BADM	365	Labor & Labor Law	
BADM	366	Team Facilitation	
BADM	367	Small Business Entrepreneurship	
BADM	405	Contemporary Business & Organizational Issues or any 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
ECON	141	Macroeconomics	3 cr

ECON	142	Microeconomics	3 cr
BADM	206	Math Methods of Business & Economics	3 cr
ECON	216	Statistics for Economics & 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	210	Information Technology for Business	3 cr
BADM	340	Financial Management	3 cr
BADM	510	Seminar in Business Policy	3 cr

Select three from the following: 9 cr

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

Select one of the following: 3 cr

BADM	385	Global Marketing	
BADM	386	Sport Marketing	
BADM	387	Service & Event Marketing	
OR any unselected course 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 ENGL	305	Magazine Writing and Editing	
OR ENGL	306	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	

TOTAL MARKETING MINOR REQUIREMENTS 21 cr

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** **CHEMISTRY MINOR**

CHEMISTRY MAJOR PROGRAM

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

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

CHEMISTRY MINOR PROGRAM

Students graduating with a minor in

Chemistry will be able to:

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

CHEMISTRY MAJOR**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	250	Inorganic Chemistry	3 cr
CHEM	310	Analytical Chemistry	4 cr
CHEM	301	Physical Chemistry I	3 cr
CHEM	302	Physical Chemistry II	3 cr
CHEM	401	Advanced Laboratory	3 cr
CHEM	410	Instrumentation lab	3 cr
CHEM	490	Chemistry Seminar	1 cr
BIOL	150	Intro Biology	4 cr
BIOL	360	Biochemistry	3 cr
MATH	150	Pre-Calculus	3 cr
MATH	220	Calculus I	3 cr
MATH	320	Calculus II	3 cr
PHYS	151	Intro Mechanics	4 cr
PHYS	251	Intro to Electricity and Magnetism	4 cr

TOTAL CHEMISTRY MAJOR 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 3 cr
(Excluding seminars and core curriculum courses)

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

PROGRAMS AVAILABLE **BACHELOR OF SCIENCE IN COMPUTER SCIENCE 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	328	Object Oriented Design	3 cr
CSCI	330	Programming in C++	3 cr
CSCI	361	Data Structures and Algorithms	3 cr
CSCI	362	Operating Systems	3 cr

CSCI	343	Server-Side Software Development	3 cr
CSCI	390	Junior Qualification	1 cr
CSCI	452	N-tiered Software Development I	3 cr
CSCI	453	N-tiered Software Development II	3 cr
CSCI	461	Senior Project I	1 cr
CSCI	462	Senior Project II	1 cr
One mathematics courses level 200 or higher			3 cr
PHYS	131	General Physics	4 cr
OR PHYS	151	Introduction to Mechanics	
ENGL	306	Business Writing and Presentation	3 cr

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	
OR CSCI	246	VB I	3 cr
CSCI	122	Programming in Java II	
OR CSCI	248	VB II	3 cr
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
MATH	250	Discrete Mathematics	3 cr
MATH	200	Level	3 cr
ENGL	306	Business Writing	3 cr

TOTAL INFORMATION TECHNOLOGY CONCENTRATION REQUIREMENTS

51 cr

BUSINESS INFORMATION SYSTEMS CONCENTRATION**Requirements**

CSCI	101	Introduction to Computer Science	3 cr
ECON	141	Macroeconomics	3 cr
CSCI	162	Business Information Systems	3 cr
BADM	206	Math Methods for Business and Economics	3 cr
BADM	210	Information Technology for Business	3 cr
BADM	224	Financial Accounting	3 cr
CSCI	236	Web Development	3 cr
CSCI	243	Database Development	3 cr
CSCI	246	Programming in Visual Basic I	3 cr
CSCI	248	Programming in Visual Basic II	3 cr
CSCI	252	Systems Development	3 cr
BADM	340	Financial Management	3 cr
CSCI	343	Server-Side Development	3 cr
CSCI	346	Programming in Visual Studio	3 cr
BADM	310	Advanced Information Technology for Business	3 cr
ENGL	306	Business Writing	3 cr
CSCI	461	Senior Project I	1 cr
CSCI	462	Senior Project II	1 cr

**TOTAL BUSINESS INFORMATION SYSTEMS
CONCENTRATION REQUIREMENTS** **50 cr**

BIOINFORMATICS 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	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	461	Senior Project I*	1 cr
CSCI	462	Senior Project II*	1 cr
CSCI	420	Introduction to Bioinformatics	3 cr
MATH	250	Discrete Mathematics	3 cr
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

**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	162	Business Information Systems	3 cr
CSCI	236	Web Development	3 cr
CSCI	243	Database Development I	3 cr
CSCI	343	Server-Side Software Development	3 cr
CSCI	210	Networked Theory and Administration I	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, Pre-K, K, and grades 1-2 in all curriculum areas are presented. The curriculum stresses diverse values and various teaching and learning styles that are an important part of our multicultural society.

Students in the early childhood education program are prepared to teach and work in settings such as public schools (Pre K-2), day care centers, nursery schools, and other group settings. With additional experience, early childhood graduates can qualify as lead teachers, as consulting resource teachers for special needs children, or as child-care workers in institutional settings. The curriculum provides a solid foundation for students who wish to seek state licensure as teachers of young children with special needs and Lead Teacher, Preschool Department of Early Education and Care (DEEC).

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

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

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

- Children's Literature
- Early literacy including genres, literary elements, literary techniques, and vocabulary
- Mathematics including principles and concepts related to elementary mathematics
- Physical science*
- Life science*
- History, geography, government and economics;

- Creative arts
- Health or First Aid and CPR
- Physical Education
- Child Development or Developmental Psychology

*At least one science must include a laboratory requirement

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

Choice of Liberal Arts/Sciences majors to accompany Early Childhood

Education:

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

Early Childhood Education License

Requirements

CCSS	269	Education & Society	3 cr
PSYC	208	Applied Developmental Psychology	
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

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

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

Phase Two

EDUC	420	Classroom Mngt/Tchng Strat ECHE/ELEM	3 cr
EDUC	409	Curriculum Theory and Design for Early Childhood	3 cr
EDUC	341	Field Placement II ECHE/ELEM	2 cr
EDUC	404	Sheltered English Instruction 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	561	Student Teaching Seminar	3 cr
EDUC	560	Practicum/Student Teaching Grade 1 or 2	6 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
F&P Arts
History/Political Science
Interdisciplinary Studies (IDST)
Mathematics
Philosophy
Physics
Chemistry*

*Depending 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 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. 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
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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 MTELEs are a requirement to enter phase two.

Phase Two

EDUC	420	Classroom Mngt/Tchng Strat ECHE/ELEM	3 cr
EDUC	412	Curriculum and Instruction Elementary	3 cr
EDUC	341	Field Placement II ECHE/ELEM	2 cr
EDUC	404	Sheltered English Instruction 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 MTELEs 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	
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	422	Classroom Mngt/Tchng Strat MDSE/SECE	3 cr
EDUC	414	Curriculum and Instruction Middle School	3 cr
EDUC	342	Field Placement II MDSE/SECE	2 cr
EDUC	405	Sheltered English Instruction MDSE/SECE	3 cr

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

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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
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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	422	Classroom Mngt/Tchng Strat MDSE/SECE	3 cr
EDUC	416	Curriculum and Instruction Secondary	3 cr
EDUC	342	Field Placement II MDSE/SECE	2 cr
EDUC	405	Sheltered English Instruction 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
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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 curricula to include upper and lower level arts and sciences coursework, including: composition, American and world literature, U.S. and world history, economics, geography, child development, science laboratory work, and mathematics and science coursework appropriate for the elementary school teacher. These subjects are included on the Massachusetts Test for Educator Licensure and follow the Massachusetts Curriculum Frameworks. Specializations within the interdisciplinary studies major fulfill the above mentioned requirements. Students may also choose from among the traditional liberal arts and sciences majors to fulfill the requirements.

Students already possessing a bachelor's degree also may be admitted to a licensure program. Interested students should meet with the license officer at their earliest convenience to find out the specific requirements for the license level they seek.

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

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

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

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

SPORT COACHING MINOR

Requirements

EDUC	375	Coaching Principles	3 cr
EDUC	376	Practicum in Sport Coaching	3 cr
PHED	108	Community First Aid & Safety	1 cr
PHED	215	Lifetime Wellness	3 cr
PHED	375	Scientific Foundations of Coaching	3 cr

Choose two of the following: 6 cr

BIOL	316	Functional Human Anatomy*
BIOL	440	Physiological Aspects of Exercise*
PHED	395	Special Topics (subtitle appropriate to sport coaching)
PSYC	376	Sport Psychology*
SOCI	316	Sociology of Sport*

*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 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 demonstrating 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 and 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 text.
- 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- 80	Texts in Context (select one)	3 cr

ENGL	381-95	Diverse Voices in American Culture (select one)	3 cr
Any advanced writing course at 200 level or above			3 cr
ENGL	451	British Literary Survey	
OR ENGL	461	American Literary Survey	
OR ENGL	471	World Literary Survey	3 cr
ENGL	490	Senior Seminar	3 cr

TOTAL FOUNDATION COURSES **24 cr**

CONCENTRATION IN LITERATURE**Requirements**

Foundation Courses	24 cr	
Department Electives	6 cr	
ENGL 349	Critical Reading	3 cr
ENGL 351	Shakespeare	3 cr
Two literature survey courses	6 cr	
(In addition to one foundation course)		

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**

Foundation Courses	24 cr		
Department Electives	6 cr		
ENGL	239	Writing & Reporting the News I	3 cr
ENGL	305	Magazine Writing & Editing	3 cr
OR ENGL 328 Issues in Journalism			
ENGL	321	News Editing Practicum (Required)	1-6 cr
ENGL	339	Writing & Reporting the 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 Topic in Mass Communication (By subject; this course may be repeated)
ENGL	500	Directed Independent Study
ENGL	540	Internship

TOTAL JOURNALISM CONCENTRATION REQUIREMENTS 46-51 cr**CONCENTRATION IN BROADCAST MEDIA****Requirements**

Foundation Courses		24 cr
Department Electives		6 cr
ENGL 212	Radio Production	3 cr
ENGL 214	Basic 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 540	Internship in English/Communications	
ENGL 500	Directed Independent Study	
ENGL 316	Broadcast Delivery	
ENGL 481	Special Topics in Communications: Web-based Broadcast Journalism	
ENGL 481	Special Topics in Communications (by subject)*	
ENGL 319	Global Issues in Communication	
ENGL 302	Creative Writing: Scripts	

* Can be taken more than once.

TOTAL BROADCAST MEDIA CONCENTRATION REQUIREMENTS 48 cr**CONCENTRATION IN FILM STUDIES****Requirements**

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

Two electives at the 200 level or above 6 cr

Choose electives from the following list:

ENGL 375	The Civil War in Literature & Film	
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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 OR ENGL 323 Publication Design & Typography	3 cr
ENGL 396	Public Relations	3 cr
Two communications electives at the 200 level or above		6 cr

Choose electives from the following list:

ENGL 212	Radio Production	
ENGL 214	Basic TV Production and Broadcasting	
ENGL 318	The Popular Art as Business	
ENGL 321	News Editing Practicum	
ENGL 500	Directed Independent Study	
ENGL 540	Internship	
BADM 270	Marketing	
BADM 384	Marketing Communications	

TOTAL PUBLIC RELATIONS 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.

Any advanced writing course 3 cr

TOTAL LITERATURE MINOR REQUIREMENTS 18 cr

CREATIVE WRITING MINOR

Requirements

ENGL 250 Introduction to Literature 3 cr

ENGL 208 Experiments in Creative Writing 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 3 cr

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) 662-5303, www.mcla.edu/envi

Chairperson: Elena Traister, Ph.D.

Email: Elena.Traisters@mcla.edu

PROGRAMS AVAILABLE

BACHELOR OF SCIENCE IN

ENVIRONMENTAL STUDIES

ENVIRONMENTAL STUDIES MINOR

GEOGRAPHY MINOR

ENVIRONMENTAL STUDIES MAJOR PROGRAM

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

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

Foundation Courses

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

OR GEOG245 Natural Hazards

TOTAL FOUNDATION COURSES**44 cr**

Choose two courses from each of the following categories:

Biology**6-8 cr**

BIOL	235	Botany
BIOL	245	Zoology
BIOL	320	Microbiology
BIOL	324	Marine Biology
BIOL	341	Conservation Biology
BIOL/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
GEOG	270	Weather & Climate
GEOG	271	Landforms
GEOG	300	Topics in Physical Geography
GEOG	330	Natural Parks & Monuments
GEOG	370	River Systems
ENVI	425	Advanced Geographic Information Systems

Society**6 cr**

BIOL	327	Plants & Society
ENGL	371	The American Renaissance
ENGL	374	Literature & the Environment
IDST	224	The Nuclear Age
PHIL	325	Environmental Ethics
SOCI	322	Population
HONR	301	Ethics & Animals
POSC	201	U.S. Government & Public Policy
POSC	202	Comparative Government & Public Policy
CCCA	202	The Good Earth: The Theme of Agrarianism
CCSS	210	Landscapes of Human Activities

TOTAL ENVIRONMENTAL STUDIES MAJOR REQUIREMENTS**62-66 cr**

ENVIRONMENTAL STUDIES MINOR PROGRAM**Requirements**

ENVI	150-H	Honors Environmental Systems: Science & Management	4 cr
ENVI	152-H	Honors Environmental Resources: Science & Management	4 cr
BIOL	150	Introduction to Biology	4 cr
OR CHEM150		Introduction to Chemistry I	
OR GEOG151		Introduction to Physical Geography	
OR GEOG152		Introduction to Physical Geology	
OR GEOG245		Natural Hazards	
ENVI	260	Green Living Seminar	1 cr
ENVI	340	Environmental Law	3 cr
OR ENVI	310	Politics & Environmental Policy	
ENVI	320	Methods in Environmental Research	4 cr

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

Biology

BIOL	235	Botany	
BIOL	245	Zoology	
BIOL	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	
GEOG	270	Weather & Climate	
GEOG	271	Landforms	
GEOG	300	Topics in Physical Geography	
GEOG	330	Natural Parks & Monuments	
GEOG	370	River Systems	

Society

BIOL	327	Plants & Society	
ENGL	371	The American Renaissance	
ENGL	374	Literature & the Environment	

IDST	224	The Nuclear Age	
PHIL	325	Environmental Ethics	
SOCI	322	Population	
HONR	301	Ethics & Animals	
POSC	201	U.S. Government & Public Policy	
POSC	202	Comparative Government & Public Policy	
CCCA	202	The Good Earth: The Theme of Agrarianism	
CCSS	210	Landscapes of Human Activities	

TOTAL ENVIRONMENTAL STUDIES MINOR PROGRAM

REQUIREMENTS 23-24 cr

GEOGRAPHY MINOR PROGRAM

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

GEOGRAPHY MINOR**Requirements**

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

TOTAL GEOGRAPHY MINOR REQUIREMENTS

19 cr

TEACHING LICENSURE

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

FINE & PERFORMING ARTS

(413) 662-5255, www.mcla.edu/fpa

Chairperson: Christine Condaris, 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	238	Experiencing Performance	3 cr
OR THEA	272	Exploring Production	
THEA	271	Discovering Plays	3 cr
FPA	501	Senior Project	3 cr

TOTAL FOUNDATION COURSES **24 cr**

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

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

CONCENTRATION IN ART

Requirements

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

TOTAL ART CONCENTRATION REQUIRED **45 cr**

CONCENTRATION IN ARTS MANAGEMENT

Requirements

FPA Foundation Courses			24 cr
AMGT	235	Business Organization in Arts 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

FPA 540 Internship in Fine & Performing Arts 3 cr

TOTAL ARTS MANAGEMENT CON-CENTRATION REQUIREMENTS 42 cr

CONCENTRATION IN MUSIC

Requirements

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

Choose from the following: (Total: 3 credits)

MUSI 258 Private lessons (Each Private Lesson = 1 credit)
 AND/OR MUSI 358 Private Lessons
 AND/OR MUSI 458 Private Lessons 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

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

TOTAL THEATRE CONCENTRATION REQUIREMENTS 45 cr

ARTS MANAGEMENT MAJOR PROGRAM

The Department of Fine and Performing Arts also offers a four-year program leading to a Bachelor of Arts in Arts Management. This unique program is a total

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

ART MAJOR PROGRAM

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

ART MINOR PROGRAM

Requirements

ART 116 Introduction to Drawing 3 cr
 ART 117 Great Monuments of Art I 3 cr

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

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

*Students can select from the following electives:

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

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

Three credits in performance ensembles: Choose From 3 cr

MUSI 350 Instrumental Ensembles

MUSI 357 Vocal Ensembles

TOTAL MUSIC MINOR REQUIREMENTS 18 cr**THEATRE MINOR PROGRAM****Requirements**

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

TOTAL THEATRE MINOR REQUIREMENTS 21 cr**DEPARTMENT POLICY REGARDING DOUBLE MAJORS/CONCENTRATIONS/MINOR PROGRAMS**

Due to redundancies in 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. As appropriate, political science and liberal arts courses (up to 15 hours) can be used to fulfill some requirements of the history major. This flexible program furnishes a useful background for careers in public service, education, environmental studies, government, law, journalism, public communication and business. Students graduating with a degree in History will be able to:

- Demonstrate a comprehensive understanding of subject matter, methodologies and a variety of historiographical approaches;
- Demonstrate the ability to think clearly and critically about history and historical narratives, and to express ideas logically and persuasively in written and oral form;
- Demonstrate familiarity with diverse cultures and chronological periods and capacity for both empathetic and critical understanding of one's own culture and society as well as those different from one's own;
- Demonstrate competence in historical research and presentation, including the ability to appropriately access, use and evaluate primary and secondary sources in order to make a coherent historical argument.

HISTORY MAJOR

Requirements

Foundation Courses

HIST	103	Pre-Modern World Civilization	3 cr
HIST	104	Modern World Civilization	3 cr
HIST	203	United States History to 1877	3 cr
HIST	204	United States History after 1877	3 cr

HIST	200	Research & Bibliography	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
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

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

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

BA Interdisciplinary Studies (Self-Designed Program): MCLA's unique BA Interdisciplinary Studies (Self-Designed) program offers motivated students the option to create their own self-designed degree, by either focusing on a given

theme, a geographic region, a specific question, a historical topic, an issue/problem in society, or by combining two or more disciplines into a multidisciplinary major. Examples of a self-designed program could include: European Studies, Film & Theatre, Psychology & Business, etc.

BA Interdisciplinary Studies (Pre-designed Programs): Students may also opt to pursue a pre-designed interdisciplinary program. These interdisciplinary programs are based on pre-structured study-plans 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 teacher, or middle school

teacher. These students will complete an interdisciplinary studies major, an education major, and a licensure program in education.

INTERDISCIPLINARY STUDIES MAJOR

Requirements

IDST elective at the 100-200 level	3 cr
IDST 320 Interpretation	3 cr
OR IDST 350 World History in Contexts	
OR IDST 360 Topics in Culture and Society	
1 additional IDST elective*	3 cr
IDST 401 Senior Seminar	3 cr

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

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

TOTAL INTERDISCIPLINARY STUDIES MAJOR REQUIREMENTS

42 cr

CROSS-CULTURAL & SOCIAL JUSTICE MINOR PROGRAM

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

Requirements

IDST 150 Intro to Cross-Cultural & Social Justice Studies	3 cr
Lower- Level Electives	6 cr
Upper- Level Electives	9 cr
Electives: Courses must be selected from at least two different disciplines, with no more than nine credits from one discipline, and no more than six credits at the upper level from one discipline	

TOTAL CROSS-CULTURAL & SOCIAL JUSTICE MINOR REQUIREMENTS

18 cr

Lower Level Electives:

6 cr

ANTH 130 Intro to Sociocultural Anthropology	
OR ANTH140 Peoples of the World (not both)	

CCSS	268	Culture & the Body
MUSI	253	World Music
PHIL	110	World Religions
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	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 When East Meets West: Challenging Orientalism; and Bollywood-Popular Cinema in India and the Diaspora)

PHIL	325	Environmental Ethics
POSC	331	Africa
SPAN	310	Hispanic Civilization
SPAN	370	Hispanic Literature in Context
SPAN	390	Special Topics in Hispanic Literature and Film (Not more than one)
SOCI	321	Minority Groups
SOCI	302	Genocide
SOCI	395	Special Topics in Sociology

(Only topics determined to be relevant to Cross -Culture issues will count toward this requirement, such as SOCI 395 Latinas in American Society)

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-Culture & Social Justice studies.

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

ANTH	130	Intro to Sociocultural Anthropology
OR ANTH	140	Peoples of the World (not both)
CCSS	268	Culture & the Body
IDST	299	Introduction to Interdisciplinary Studies (only introductory courses with topics determined to be relevant to social justice issues will count toward this requirement, such as IDST 299 Prison, Punishment, and Society)
MUSI	253	World Music
PHIL	110	World Religions
SOCI	100	Intro to Sociology
SOCI	201	Social Problems

Social-Justice Track: 9 cr**Upper Level Electives (choose from):**

These courses must be taken from the course offerings of at least two different disciplines.

ANTH	346	Stigma & Disability
ANTH	355	Politics of Culture
ANTH	365	Sex Roles & Society
ANTH	370	Culture, Power & Protest
BADM	365	Labor and Labor Law
BADM	390	Managing Workplace Diversity
CCAP	300	Americans 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
SOCI	302	Genocide
SOCI	303	Social Movements
SOCI	321	Minority Groups
SOCI	341	Social Stratification
SOCI	351	Criminology
SOCI	355	Law & Society
POSC	340/SOWK340	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	
OR	BADM366	Team Facilitation	
OR	SOWK350	Group Counseling Skills	3 cr
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
BADM	260	Management
BADM	405	Contemporary Business and Organizational Issues
ENGL	231	Power of Words

PSYC	230	Social Psychology
ENGL 306, BADM 366, SOWK 350 if not applied to requirements above		
ATTR	340	Athletic Training Management
BADM	361	Organizational Behavior
BADM	384	Marketing Communications
BADM	390	Managing Workplace Diversity
EDUC	375	Coaching Principles
ENGL	396	Public Relations
IDST	360	Topics in Culture and Society (as appropriate)
PHIL	322	Business Ethics
PSYC	335	Organizational Psychology
SOCI	303	Social Movements
SOWK	355	Community Organization

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

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 2 disciplines other than IDST relating to themes in Cultural Studies and approved by IDST advisor:	12 cr
Upper level courses from at least 2 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 OR IDST 350 World History in Contexts OR IDST 360 Topics in Culture and Society (e.g. IDST 360 Globalization)	3 cr
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 2 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 2 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 2 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 2 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 2 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 2 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

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	Introduction to Set Theory and Mathematical Logic	3 cr
MATH	250	Discrete Mathematics	3 cr
MATH	261	Linear Algebra	3 cr
MATH	320	Calculus II	3 cr
MATH	330	Calculus III	3 cr
MATH	430	Calculus IV	3 cr

One course in each of the following areas:

Area I			3 cr
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MATH	360	Number Theory OR	
MATH	362	Algebraic Structures I	

Area II 3 cr

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

Area III 3 cr

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

Area IV 3 cr

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

One computer science courses: 3 cr

CSCI	121 OR CSCI	246	
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Four additional mathematics courses 300 level or above 12 cr

*Eight credits in one of these laboratory science sequences: 8 cr

BIOL	150	Foundations in Biology OR any course BIOL 150 as a prerequisite OR	
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CHEM	150	Introduction to Chemistry I OR	
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CHEM	152	Introduction to Chemistry II OR	
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PHYS	151	Introduction to Mechanics OR	
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PHYS	251	Introduction to Electricity Magnetism	
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*This course may also be used to fulfill core curriculum requirements

TOTAL MATHEMATICS MAJOR REQUIREMENTS 56 cr

MATHEMATICS MINOR PROGRAM

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

MATHEMATICS MINOR**Requirements**

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

One of the following: 3 cr

MATH	232	Introduction to Statistics
MATH	240	Introduction to Set Theory and Mathematical Logic
CSCI	121	Programming in Java I

One mathematics elective, 200 level or above 3 cr

Three mathematics electives, 300 level or above 9 cr

TOTAL MATHEMATICS MINOR REQUIREMENTS 21 cr

TEACHING LICENSURE

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

MODERN LANGUAGES

(413) 662-5399

Chairperson: David Braden-Johnson, Ph.D.

Email: D.Johnson@mcla.edu

PROGRAM AVAILABLE **SPANISH MINOR**

SPANISH MINOR PROGRAM

The Spanish Minor program helps students build proficiency in current spoken Spanish and develops cultural awareness, so they 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

TOTAL SPANISH MINOR REQUIREMENTS 18-24 cr

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

PHILOSOPHY

(413) 662-5399, www.mcla.edu/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
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Two applied ethics courses (choose from): 6 cr

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

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

PHIL	360	Social and Political Philosophy
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PHIL	385	Special Topics (when appropriate)
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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
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PHIL	200	Logic & Critical Reasoning	3 cr
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PHIL	350	Contemporary Moral Issues	3 cr
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PHIL	300	Epistemology & Metaphysics	3 cr
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The remaining necessary six credit hours consist of electives taken from the philosophy department curriculum. The selection should depend on the major of the student and the student's main interests. 6 cr

TOTAL PHILOSOPHY MINOR REQUIREMENTS 18 cr

TEACHER LICENSURE

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

PHYSICAL EDUCATION

(413) 662-5354, www.mcla.edu/phed

Chairperson/ Coordinator: Ann Billetz, Ph.D.

Email: A.Billetz@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:

- Be able to understand the basic principles in the various fields of physics.
- Be able to make connections between various fields of physics.
- Be able to solve problems using math and physical reasoning.
- Be able to use modern computational methods to analyze and present data.
- Be able to design and conduct experiments to evaluate ideas and verify theory.
- Be able to evaluate the validity of experimental evidence.
- Be able to effectively communicate information gained by written and oral means.

PHYSICS MAJOR

Requirements

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

Bachelor of Arts:

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

TOTAL PHYSICS BACHELOR OF ARTS 47 cr**Bachelor of Science:**

MATH	150	Precalculus	3 cr
MATH	220	Calculus I	3 cr
MATH	320	Calculus II	3 cr
MATH	330	Calculus III	3 cr
MATH	380	Differential Equations	3 cr
OR MATH	430	Calculus IV	
PHYS	151	Introduction to 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 field 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 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/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:

POSC	201	US Government & Public Policy	3 cr
POSC	202	Comparative Government & Public Policy	3 cr
POSC	205	International Relations	3 cr
POSC	210	Political Science Research & Methods	3 cr
HIST	203	United States History to 1877	3 cr
HIST	204	United States History after 1877	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	540	Internship in Political Science & Public Policy	3 cr
POSC	450	Career and ePortfolio Workshop	1 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

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
PSYC 100	Introduction to Psychology	
BIOL 150	Introduction to Biology	
Research Methodology		8 cr
PSYC 290	Research Methods and Statistics I	

PSYC 291	Research Methods and Statistics II	
Primary Content Domains		12 cr
(choose 4 courses, at least two must be 300 level)		
PSYC 210	Developmental Psychology	
PSYC 230	Social Psychology	
PSYC 270	Abnormal Psychology	
PSYC 331	Biological Psychology	
PSYC 310	Cognitive Psychology	
PSYC 316	Behavior Analysis	
Advanced Research and Methods (choose 1 course)		4 cr
PSYC 360	Measurement and Assessment	
PSYC 390	Research Design and Analysis	
PSYC 397	Research Seminar	
Upper Level Electives (choose at least 2 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 376	Sport Psychology	
PSYC 380	Educational Psychology	
PSYC 386	Adolescent Development	
PSYC 387	Childhood Disorders	
PSYC 388	Adulthood and Aging	
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 416	Research in Behavior Analysis	
PSYC 460	Human Behavior in Cross-Cultural Perspectives	
PSYC 516	Functional Assessment and Intervention	
PSYC 540	Internship	
PSYC 375	Health Psychology	
Capstone Experience (Choose 1 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 Research	
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 discovering such interests are encouraged to pursue them by enrolling in PSYC 397 Research Seminar, PSYC 391 Research Assistant, and PSYC 496 Research in Psychology and/or PSYC 500 Independent Study in Psychology.

During the senior year, and with the approval of two faculty members, a student may then register for PSYC 550 Senior Thesis. Students are also encouraged to seek out internship in a wide variety of mental health and social services placements during their junior or senior year.

SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

(413) 662-5521, 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

SOCI 100	Introduction to Sociology	3 cr
ANTH 130	Intro to Sociocultural Anthropology	3 cr
OR ANTH140	Peoples of the World	
SOCI 331	Methods of Social Research	3 cr
SOCI 312	Sociological Theory	3 cr
OR SOCI 321	Race and Ethnic Relations	
OR SOCI 341	Social Stratification	

Two sociology electives, one of which must be a 300-400 level course

(Specific CCSS courses may be used for this requirement. Check with the Department for prior approval.)

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 36 cr

ANTHROPOLOGY MINOR PROGRAM

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

ANTHROPOLOGY MINOR**Requirements**

ANTH 130	Introduction to Sociocultural Anthropology	3 cr
OR ANTH140	Peoples of the World	
Any "Peoples of" course:		
ANTH 320-324		3 cr
Two 300-500 level anthropology electives		6 cr
Two other anthropology electives		6 cr

TOTAL ANTHROPOLOGY MINOR REQUIREMENTS 18 cr

CHILD AND FAMILY STUDIES MINOR PROGRAM

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

CHILD AND FAMILY STUDIES MINOR**Requirements**

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

TOTAL CHILD AND FAMILY STUDIES MINOR REQUIREMENTS 18 cr

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

CCCA 207	Children's Literature
PSYC 356	The Psychology of Gender
ANTH 140	Peoples of the World
PSYC 386	Adolescent Development
ANTH 320	Peoples of the Middle East
PSYC 387	Childhood Disorders
ANTH 321	Peoples of the Caribbean
PSYC 460	Human Behavior Cross-Cult

ANTH 322	Peoples of China
ANTH 323	Peoples of Africa
SOCI 352	Juvenile Delinquency
ANTH 324	Native American Peoples
SOCI 360	Women, Movies, and MTV
ANTH 330	Children and Culture
SOWK 340/POSC 340	Inequality and Social Policy
ANTH 365	Gender Roles and Culture
SOWK 375	Family Violence
HIST 315	Women in American History
SOWK 380	Women and Health
PSYC 270	Abnormal Psychology
SOWK 443	Casework with Couples and Families
PSYC 340	Psychology of Children with Special Needs
SOWK 452	Social Work with Juvenile Delinquents
PSYC 355	Human Sexuality
PSYC 380	Educational Psychology

CRIMINAL JUSTICE MINOR PROGRAM

The criminal justice minor offers students an introduction to correctional counseling or law enforcement based on a liberal arts foundation and capped by a field placement experience. The minor consists of 18 credit hours. All students must take 12 credit hours of foundation courses and six credit hours in one of the two tracks.

Foundation Courses

SOCI 100	Introduction to Sociology	3 cr
SOCI 540	Internship	3 cr
OR SOWK540	Internship	

Choose two of following:	6 cr
SOCI 351	Criminology
SOCI 352	Juvenile Delinquency
SOCI 355	Law & Society

TOTAL FOUNDATION COURSES 12 cr

CORRECTIONAL TREATMENT TRACK

Foundation Courses	12 cr
Choose two of the following:	6 cr
SOWK 348	Social Work Skills

SOWK	350	Group Counseling Skills
SOWK	395	Special Topics in Social Work
SOWK	442	Social Casework
SOWK	452	Social Work with Juvenile Delinquents

**TOTAL CRIMINAL JUSTICE MINOR CORRECTIONAL TRACK
REQUIREMENTS 18 cr**

LAW ENFORCEMENT TRACK

Foundation Courses		12 cr
Choose two of the following:		6 cr
SOCI	201	Social Problems
SOCI	282	Deviant Behavior
SOCI	395	Special Topics in Sociology
POSC	304	Constitutional Law
PSYC	369	Forensic Psychology

Students may choose one of the following provided that the course was not selected as a foundation course:

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

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

HEALTH, AGING AND SOCIETY MINOR PROGRAM

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

HEALTH, AGING AND SOCIETY MINOR

Requirements

SOCI	100	Introduction to Sociology	3 cr
OR 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

Aging Focus

CCSS	275	Aging & Society
SOCI	335	Health & Aging

SOCI	336	Death & Dying
SOCI	337	Aging & the Life Course
PSYC	388	Adulthood & Aging

Health Focus

ANTH	345	Culture, Health & Illness
ANTH	346	Disability and Culture
SOWK	380	Women & Health
PSYC	355	Human Sexuality
PSYC	357	Psychology of Women

Option to replace one course in this program with:

SOWK	540	Social Work Internship
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**TOTAL HEALTH, AGING AND SOCIETY MINOR
REQUIREMENTS 18 cr**

SOCIAL WORK MINOR PROGRAM

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

SOCIAL WORK MINOR

Requirements

SOCI	100	Introduction to Sociology	3 cr
SOWK	241	Introduction to Social Work	3 cr
SOWK	348	Social Work Skills	3 cr
SOWK	540	Social Work Internship	3 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 18 credit hours, at least 15 of which must be completed in the classroom.

SOCIOLOGY MINOR

Requirements

SOCI	100	Introduction to Sociology	3 cr
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SOCI 312	Sociological Theory	3 cr
OR SOCI 331	Methods of Social Research	
OR SOCI 341	Social Stratification	
Two 300-500 level sociology electives		6 cr
Two other sociology electives		6 cr
TOTAL SOCIOLOGY MINOR REQUIREMENTS		18 cr

TEACHING LICENSURE

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

PRACTITIONER SERIES COURSES

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

WOMEN'S STUDIES

(413) 662-5516, www.mcla.edu/wmst

Contact: Karen Cardozo, Ph.D.

Email: K.Cardozo@mcla.edu

PROGRAMS AVAILABLE

MINOR PROGRAM IN WOMEN'S STUDIES

WOMEN'S STUDIES MINOR PROGRAM

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

WOMEN'S STUDIES MINOR

Requirements

WMST 201	Introduction to Women's Studies	3 cr
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15 elective credits in courses designated Women's studies, nine of which must be 300 level or above, from at least 2 different departments 15 cr

TOTAL WOMEN'S STUDIES MINOR REQUIREMENTS 18 cr

Women's Studies Approved Elective Courses

ANTH 330	Children & Culture
ANTH 365	Sex Roles & Society
BIOL 395	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
ENGL 397	Special Topics in Film (when applicable)
HIST 305	Special Topics (when applicable)
HIST 315	Special Topics (when applicable)
IDST 360	Special Topics (when applicable)
PHIL 485	Ethics & Gender
PHED 146	Self Defense for Women
PSYC 355	Human Sexuality
PSYC 356	Psychology of Gender
PSYC 357	Psychology of Women
PSYC 499	Advanced Seminar (when applicable)
SOCI 210	Families
SOCI 360	Women, Movies, and MTV
SOCI 395	Special Topics in Sociology (when applicable)
POSC 340/SOWK 340	Inequality & Social Policy
SOWK 375	Family Violence
SOWK 380	Women & Health
SOWK 443	Casework with Couples & Families
WMST 202	Feminist Theory
WMST 310	Women's Studies Service Seminar
WMST 395	Special Topics in Women's Studies

ARTS MANAGEMENT (AMGT)**AMGT 130 Introduction to Arts Management 3 cr**

Introduces the historical development of arts management through a survey of patronage, artist/manager, nonprofit and commercial management systems. Lectures and readings will concentrate on the major areas of interest for marketing and fiscal management of individual and collective artists.

Prerequisite: None

AMGT 235 Business Organizations in Arts Management 3 cr

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

Prerequisite: AMGT 130

AMGT 330 Grants & Fund Raising 3 cr

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

Prerequisite: AMGT 235

AMGT 335 Museum Studies 3 cr

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

Prerequisite: AMGT 130 or ART 117

AMGT 340 Performing Arts Management 3 cr

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

Prerequisite: AMGT 130

AMGT 430 Topics in Arts Management 3 cr

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

Prerequisite: AMGT 130

AMGT 435 Advanced Museum Studies 3 cr

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

Prerequisite: AMGT 335

ANTHROPOLOGY (ANTH)**ANTH 130 Introduction to Sociocultural Anthropology 3 cr**

Introduces students to the basic concepts, theories and methodologies of sociocultural anthropology. Creates an awareness of the wide spectrum of cultural variation throughout the world. Demonstrates that through the study of anthropology, we may not only gain an understanding of "exotic" cultures but also of our own sociocultural experience. Course attributes: CRCU, CSS, SOCL.

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, SOCL.

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.

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 non western societies, treating gender as a social construct rather than a biological given. Considers theories about the bases of sexual inequality and the relationship between gender and other social hierarchies. Investigates how cultural notions of gender influence 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: SOCI.		
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-graffiti, sculptural installation and word-based painting or drawing. After preliminary studies and exercises, students develop their own visual concrete poems.		
Prerequisite: ART 116		
ART 311	Topics in Art	3 cr
Provides advanced work in analysis, interpretation and research. Offerings: art, history and the American landscape.		
Prerequisite: ART 117		
ART 312	Form and Composition	3 cr
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 technique 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)

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 requirement

BADM 210 Information Technology for Business 3 cr

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

Prerequisite: CCCL 100

BADM 224 Financial Accounting 3 cr

Introduces basic principles and methods used to develop financial statements. Introduces ethical issues in accounting. The course focuses on the key concepts involved in understanding how business events affect the financial statements, without going into double-entry 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. Student 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
<p>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.</p>		
Prerequisite: Junior status		
BADM 367	Small Business Entrepreneurship	3 cr
<p>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.</p>		
Prerequisite: Junior status		
BADM 380	Strategic Marketing	3 cr
<p>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.</p>		
Prerequisite: BADM 270		
BADM 381	Consumer Behavior	3 cr
<p>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.</p>		
Prerequisite: BADM 270		
BADM 382	Marketing Research	3 cr
<p>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.</p>		
Prerequisite: BADM 270, ECON 216		

BADM 384	Marketing Communications	3 cr
<p>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.</p>		
Prerequisite: BADM 270		
BADM 385	Global Marketing	3 cr
<p>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.</p>		
Prerequisite: BADM 270		
BADM 386	Sport Marketing	3 cr
<p>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.</p>		
Prerequisite: BADM 240, BADM 270		
BADM 387	Service and Event Marketing	3 cr
<p>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.</p>		
Prerequisite: BADM 270		
BADM 390	Managing Workplace Diversity	3 cr
<p>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.</p>		
Prerequisite: Junior status		

BADM 405	Contemporary Business and Organizational Issues	3 cr
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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
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Offers students an opportunity to provide consulting services to area firms.

Prerequisite: Junior status, 2.5 GPA

BADM 421	Advanced Financial Reporting	3 cr
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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
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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
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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
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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
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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
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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
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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
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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
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Offers eligible students the opportunity for enhanced educational opportunities by providing actual field experience in public or private organizations that relate to their academic and professional interests. Enrollment requires individual application with faculty sponsorship and department approval. Students must have completed 24 BADM/ECON credits and 12 credits at MCLA prior to application. (3 credits may be applied to the 12 upper-level credits required in the general program.)

Prerequisite: Junior status, 2.5 GPA

BADM 550 Accounting Internship 1 to 15 cr

Offers eligible students the opportunity for enhanced educational opportunities by providing actual field experience in public or private accounting that relate to their accounting interests. During the assignment, the student will complete an individualized learning contract sponsored and approved by a faculty member from the department. Only 3 internship credits may be applied to the 30 required accounting credits to sit for the CPA exam.

Prerequisite: BADM 322, junior status, 2.5 GPA

BIOLOGY (BIOL)**BIOL 100 Concepts in Biology 4 cr**

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

Prerequisite: None

BIOL 101 Biology Seminar for Majors 1 cr

Introduces students to biology in order to support majors in their academic work. Explores the diversity of fields within biology through presentations, reading and writing activities and interactions with peers and mentors. This seminar is required for all MCLA biology majors.

Prerequisite: Biology major

BIOL 105 Human Biology 3 cr

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

Prerequisite: None

BIOL 150 Introduction to Biology 4 cr

Introduces the student to cell biology, mitosis, meiosis, genetics, photosynthesis, respiration and cellular organisms. This course is designed for, but not limited to, students pursuing a major/minor in science. Required laboratory. Course attributes: CSTL, ENVI.

Prerequisite: None

BIOL 195 Topics in Biology 1 to 4 cr

Provides students with an opportunity to explore different topics and current issues in biology or related fields within the Department. This course is designed to focus on special biological topics or issues at an introductory level.

Prerequisite: None

BIOL 235 Botany 4 cr

Overview of the fundamental principles of plant biology with emphasis on anatomy, taxonomy, physiology and evolution of algae, non-vascular and vascular plants, including major divisions of gymnosperms and angiosperms. The focus will be on plants of economic, cultural or ecological significance. Required laboratory. Course attributes: ENVI.

Prerequisite: BIOL 100 or BIOL 150

BIOL 240 Genetics 4 cr

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

Prerequisite: BIOL150

BIOL 245 Zoology 4 cr

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

Prerequisite: BIOL150 or equivalent

BIOL 250 Nutrition 3 cr

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

Prerequisite: BIOL100 or BIOL150

BIOL 255	Biodiversity	4 cr
<p>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.</p>		
Prerequisite: None		
BIOL 295	Topics in Biology	1 to 4 cr
<p>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.</p>		
Prerequisite: BIOL 150 or department approval		
BIOL 305	Immunology	3 cr
<p>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.</p>		
Prerequisite: BIOL 240		
BIOL 307	Pharmacology	3 cr
<p>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.</p>		
Prerequisite: BIOL 150, CHEM 150		
BIOL 310	Animal Physiology	4 cr
<p>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.</p>		
Prerequisite: BIOL 150		

BIOL 316	Functional Human Anatomy	3 cr
<p>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.</p>		
Prerequisite: BIOL 100 or BIOL 150		
BIOL 317	Advanced Genetics	3 cr
<p>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.</p>		
Prerequisite: BIOL 240		
BIOL 318	Parasitology	4 cr
<p>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.</p>		
Prerequisite: BIOL 245		
BIOL 320	Microbiology	4 cr
<p>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.</p>		
Prerequisite: BIOL 240		
BIOL 324	Marine Biology	3 cr
<p>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.</p>		
Prerequisite: BIOL 235, BIOL 245 or permission of instructor		
BIOL 327	Plants and Society	3 cr
<p>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.</p>		
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 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

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 COMPUTING TECHNOLOGY (CCCL)**CCCL 100 Computing and Communication 3 cr**

Prepares students to use a computer as a tool for communicating in the information age. Topics include a computer overview, file management, web pages and the Internet, and Office Suite applications software including Word, Excel, PowerPoint and Access. Course attributes: CCL.

Prerequisite: None

CORE HUMAN HERITAGE (CCHH)**CCHH 101 Utopian Visions Fact and Fiction 3 cr**

Involves a study of Utopian visions of the past and present, both real and imaginary, and connects these visions to four major American protest movements. Incorporates sources ranging from the Declaration of Independence to the songs of Bob Dylan. Course attributes: CHH.

Prerequisite: None

CCHH 210 American Women Regionalist Writers 3 cr

Studies the texts of mid-to-late 19th century women regional writers in their historical, political and social contexts. Students will read extensively in both primary and secondary texts of the period to heighten their understanding of how it is that literary history is both shaped and understood, as well as how these particular women writers resisted the then mainstream prescription for an American literary project. Course attributes: CHH, WMST.

Prerequisite: None

CCHH 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)**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, SOCJ, WMST.		
Prerequisite: None		
CCSS 269	Education and Society	3 cr
Studies the role of education as an institution in our society, the world and their lives. Through the use of a wide variety of sources, students will become aware of the people and the historical events that played a role in the development of educational practices and issues, and will be able to compare the myths to the realities of this major institution. Course attributes: CSS.		
Prerequisite: 100-level Self & Society course		
CCSS 275	Aging and Society	3 cr
Examines societal aging from historical, psychological, and sociological perspectives. Analyzes changes in norms, roles, values and attitudes concerning old people due to compositional changes in the population. Economic and ideological factors that influence the development of social policies will be discussed. Course attributes: CSS.		
Prerequisite: None		

CORE SCIENCE AND TECHNOLOGY (CCST)**CCST 101 Basic Concepts in Physics and Chemistry 3 cr**

Examines the major developments in physics and chemistry from a historical context as a foundation for understanding future development in the sciences. Evaluates current scientific results in an informed manner. Intended for non-science majors, course concepts will be applied to contemporary issues. Course attributes: CST.

Prerequisite: None

CCST 102 A Case Study Approach to Science 3 cr

Introduces students to the use of the scientific method in various scientific settings. Using the case study method, students will cover a diverse range of topics which may include such topics as: the effects of radiation on biological systems, cancer and waste water treatment. Course attributes: CST.

Prerequisite: None

CCST 103 Quarks to Quasars 3 cr

Develops the student's understanding of the physical universe, from the smallest constituents of matter to the most distant, energetic structures known. The student will come to know how the scientific method guides us as we seek new knowledge. Conservation laws, the relationship between energy and matter, the need for mathematics and the inexorable links between the various branches of science will be considered. Course attributes: CST.

Prerequisite: None

CCST 104 How Things Work 3 cr

Examines basic everyday objects such as microwave ovens, eyeglasses, Xerox machines and CD players, and learn how they work. In order to facilitate understanding of the workings of modern objects, the course will cover basic concepts in physical science, including force and motion, thermodynamics, electricity and magnetism and light. Course attributes: CST.

Prerequisite: None

CCST 105 The Chemistry of CSI 3 cr

Illustrates the intricate role that chemistry plays in solving crimes through the introduction and understanding of basic chemical principles. Forensic techniques such as fingerprint analysis, fiber identification, drug identification and DNA profiling will be introduced. Case studies and "CSI" episodes will be used to explore the scientific foundation for the examination of physical, chemical and biological evidence. This course is intended for non-science majors. Course attributes: CST.

Prerequisite: None

CCST 105H Honors: The Chemistry of CSI 3 cr

Illustrates the intricate role that chemistry plays in solving crimes through the introduction and understanding of basic chemical principles. Forensic techniques such as fingerprint analysis, fiber identification, drug identification and DNA profiling will be introduced. Case studies and "CSI" episodes will be used to explore the scientific foundations for the examination of physical, chemical, and biological evidence. This course is intended for non-science majors. Course attributes: CST, HONR.

Prerequisite: None

CCST 230 Energy and the Environment 4 cr

Looks at the impact of current energy usage on our environment from technical, social and political viewpoints. Investigates the present and projected usage of nonrenewable fuel sources and how modifications due to alternate energy techniques will affect current energy policy. Discusses possible large-scale alternate energy methods. Investigates the scientific aspects of such topics as global warming and ozone depletion. Required laboratory. Course attributes: CSTL, ENVI.

Prerequisite: None

CHEMISTRY (CHEM)**CHEM 150 Introduction to Chemistry I 4 cr**

Studies chemical principles, theories, laws and their applications. Topics include electronic and nuclear behavior, periodicity, stoichiometry, structure and bonding. Teaches laboratory techniques through the performance of experiments related to the above topics. Required laboratory. Course attributes: CSTL, ENVI.

Prerequisite: None

CHEM 152	Introduction to Chemistry II	4 cr
Studies chemical principles, theories, laws and their applications. Topics include oxidation and reduction, kinetics, thermodynamics, equilibrium and descriptive inorganic chemistry. Teaches laboratory techniques through the performance of experiments related to the above topics. Required laboratory. Course attributes: CSTL, ENVI.		
Prerequisite: CHEM 150		
CHEM 201	Organic Chemistry I	4 cr
Studies the structure, properties and synthesis of organic compound and the mechanisms of their reactions. Topics include bonding, molecular orbitals, stereochemistry, resonance, acid-based chemistry, nomenclature, infrared spectroscopy, conformational analysis and substitution and elimination reactions. Required laboratory.		
Prerequisite: CHEM 152		
CHEM 202	Organic Chemistry II	4 cr
Builds on the concepts introduced in CHEM 201 by studying the reactivity of other classes of compounds including aromatic, unsaturated, alcohols, ethers, carbonyl derivatives and nitrogen-containing compounds. Nuclear magnetic resonance (NMR) will be studied. Basic total synthesis will be covered throughout the semester as new reactions are introduced. Required laboratory.		
Prerequisite: CHEM 201		
CHEM 250	Inorganic Chemistry	3 cr
Explores the structures, properties and chemical reactivity of the elements and of many compounds. This course builds upon the principles that have been introduced in general chemistry and will enhance understanding of atomic structure and bonding models, periodic trends and molecular symmetry, including molecular orbitals. These concepts are directly applicable to organic and biochemistry and environmental science.		
Prerequisite: CHEM 152		
CHEM 301	Physical Chemistry I	3 cr
Studies the concepts and methods of classical thermodynamics and their application to chemical systems including: chemical reactions, phase changes, solubility, equilibrium, kinetics and electrochemistry.		
Prerequisite: CHEM 152, MATH 320		

CHEM 302	Physical Chemistry II	3 cr
Develops the mathematical and conceptual foundations of quantum mechanics. Includes applications of quantum theory to atomic and molecular spectroscopy. Group theory will be introduced and then applied to atomic and molecular structure and motion, rotational, vibrational and electronic spectra.		
Prerequisite: CHEM 301 Coreq: CHEM 401		
CHEM 310	Analytical Chemistry	4 cr
Examines classical and modern methods of chemical analysis. Emphasis is placed on chemical equilibrium, titrimetry and selected analytical applications of instrumental methods, including visible, infrared, fluorescence spectroscopy, gas chromatography and electro-chemistry. Required laboratory 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 (CSCI)

CSCI 101 Introduction to Computer Science 3 cr

Introduces entering computer science majors to various topics used throughout the curriculum. Topics include computer hardware, operating systems, file systems, file types, protocols and networking. Computer science majors and minors only.

Prerequisite: Computer science major or minor or instructor approval
Coreq: CSCI 121

CSCI 121 Programming in Java I 3 cr

Introduces the concepts of program development using the Java programming language. Topics include variables, control structures, arrays, string manipulation and an introduction to object oriented concepts.

Prerequisite: None

CSCI 122 Programming in Java II 3 cr

Continues the study of object oriented programming and the Java language. Topics include file manipulation, method and class definitions, graphic applications, applets, multimedia, events and interfaces.

Prerequisite: CSCI 121

CSCI 162 Business Information Systems 3 cr

Provides the student with a basic understanding of information systems. With an increasing need to store, retrieve, analyze and summarize data, information systems play a major role in decision-making, whether it be for a large corporation, a small business or an educational institution. Covers the broad spectrum of information systems issues that are encountered in the world of work including technological and social considerations.

Prerequisite: CCCL 100

CSCI 208	Graphics I	3 cr
Provides a broad overview of computer graphics. Students will use proprietary and open source software to integrate images and text. The course includes demonstrations, lectures, presentations and hands-on projects. It is expected that students will have access to a digital camera and that students will work with their own images.		
Prerequisite: None		
CSCI 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 Visual Basic I	3 cr
Introduces the concepts of program development using the Visual Basic programming language. Intended for business majors, this course focuses on an introduction to the Visual Basic development environment, simple variables and control structures, and an introduction to object-oriented concepts.		
Prerequisite: None		
CSCI 247	Introductory Topics in Computing	3 cr
Provides an understanding of a topic in computing that may be of interest to majors or non-majors. This course introduces a topic that is not currently part of the department curriculum. Depending on the specific topic, students will demonstrate mastery of course content through programs, papers, and/or portfolio development.		
Prerequisite: None		

CSCI 248	Programming in Visual Basic II	3 cr
Continues the study of program development using the Visual Basic programming language. Intended for business majors, this course focuses on advanced Visual Basic concepts including structured variables, additional control structures, object creation, code reuse and dynamic storage allocation.		
Prerequisite: CSCI 246		
CSCI 252	Systems Development	3 cr
Introduces the systems-development life cycle, information gathering techniques and techniques of systems analysis, design and implementation. Computer-Assisted Software Development (CASE) will be introduced. Teams will analyze and design portions of computer based systems. Oral and written presentations will be required.		
Prerequisite: CSCI 162		
CSCI 288	Web Page Design	3 cr
Introduces the study of web page design using contemporary design tools and development environments. Intended for non-computer science majors, the course takes a creative approach to web design that is facilitated by a good working knowledge of technical skills. Course explores theoretical, aesthetic and technical perspectives of effective web page design. Upon completion, students will be able to employ design techniques to create beautiful and highly functional web pages.		
Prerequisite: None		
CSCI 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 222		
CSCI 330	Programming in C++	3 cr
Applies programming concepts to the C++ language. This course is intended for students who have studied another object-oriented programming language for at least two semesters. Topics include C++ syntax, data structures, libraries, graphics and GUI applications.		
Prerequisite: CSCI 122		
CSCI 336	Advanced Web Development	3 cr
Continues the study of World Wide Web application development. This course emphasizes both client-side and server-side tools and techniques used to develop web applications, and will include various scripting languages.		
Prerequisite: CSCI 236		
CSCI 340	Robotics Development	3 cr
Introduces the student to various development areas associated with robotics. Topics include motors, motor control, sensors, microcontrollers, physical design, basic analog and digital circuit theory, software design, interfacing and artificial intelligence. Students will construct a robot or robotic system and choose to focus on one or more of these areas.		
Prerequisite: CSCI 122, or CSCI 235, or CSCI 240, or PHYS 251		

CSCI 343 Server-Side Software Development 3 cr

Focuses on the development of server-side applications with database connectivity. This course merges the concepts learned in Web Development and Database Development to form traditional persistent multi-client systems.

Prerequisite: CSCI 236, CSCI 243

CSCI 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 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	N-Tiered Software Development I	3 cr
Integrates the various skills and concepts introduced in the curriculum. This is the first course of a two-semester culminating sequence. The course focuses on the components and design of small and medium multi-tiered software systems. Students work mostly individually and are required to deliver both oral and written presentations.		
Prerequisite: CSCI 343, CSCI 328, CSCI 390		
CSCI 453	N-Tiered Software Development II	3 cr
Integrates the various skills and concepts introduced in the curriculum. This is the second course of a two-semester culminating experience. The course focuses on the design, implementation, and maintenance of large multi-tiered software systems. Students work mostly in teams and are required to deliver both oral and written presentations.		
Prerequisite: CSCI 452		

CSCI 461	Senior Project I	1 cr
Prepares senior computer science majors for their final projects and life beyond graduation. In addition to writing and presenting proposals for senior projects, students prepare portfolios and resumes. Course topics include various writing styles, presentation techniques and networking and communication skills. Students choose a faculty advisor and begin work on the senior project during this semester.		
Prerequisite: CSCI 328, CSCI 343		
CSCI 462	Senior Project II	1 cr
Provides students with a final and substantial project. Students work with a faculty advisor to complete the senior project started in senior seminar. Projects are presented during a public senior project day at the end of the semester.		
Prerequisite: CSCI 461		
CSCI 500	Independent Study	1 to 3 cr
Designed for students who wish to undertake an in-depth examination of some topic of interest. The project will be carried out under the direction of a computer science faculty sponsor.		
Prerequisite: Junior/senior status, department approval		
CSCI 540	Internship in Computer Science	3 to 12 cr
Open to juniors and seniors who would like to gain practical field experience in the computer industry. The intern will work under close supervision of both industry and department personnel.		
Prerequisite: CSCI 222, or junior/senior status, or department approval		
ECONOMICS (ECON)		
ECON 141	Macroeconomics	3 cr
Examines the organization of American economic systems, with comparisons to those of other countries. Emphasis is on the problems of unemployment, inflation, budget deficits and the possible fiscal and monetary policies used to correct them. The course studies such aggregate economic variables as consumption, investment, government expenditures, and taxes. Course attributes: CSS.		
Prerequisite: None		

ECON 142	Microeconomics	3 cr
Deals with individual economic units, consumers and firms. Topic areas which are covered extensively are demand, elasticity and cost theories. The theory of wages and its application to labor markets are also discussed. An analytical study of market structure - perfect competition, monopolistic competition, oligopoly and monopoly - is emphasized.		
Prerequisite: None		
ECON 216	Statistics for 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 in-service 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
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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
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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
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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
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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
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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
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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
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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 Theory and Design for Early Childhood	3 cr
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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 assessment.

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: None

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 MTEL's, 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 MTEL's, 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 MTEL's, grades of C or better in all licensure courses Coreq: EDUC 550, EDUC 560

EDUC 570 Practicum Student Teaching ELEM 9 cr

Provides the culminating field experience for teacher licensure. Students spend five full days per week in a school classroom. In the role of classroom teacher, the practicum student works with individual children, teaches both small and large group lessons, plans and implements several units of instruction, and carries out a variety of other responsibilities.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, 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 MTEL's, grades of C or better in all licensure courses Coreq: EDUC 570

EDUC 575 Student Teaching Half Practicum ELEM 1 to 9 cr

Provides the culminating field experience for teacher licensure. Students spend five half days per week in a school classroom. In the role of classroom teacher, they work with individual children, teach small and large group lessons, plan and implement several units of instruction. This half-practicum is designed to be used on very rare occasions when a student needs to do a practicum over a two-semester period of time. Students will register for 4 credits one semester and for 5 credits the second semester.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, 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 MTEL's, 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 MTEL's, grades of C or better in all licensure courses Coreq: EDUC 580

EDUC 585 Student Teaching Half Practicum MDSE 1 to 9 cr

Provides the culminating field experience for teacher licensure. Students spend five half days per week in a school classroom. In the role of classroom teacher, they work with individual children, teach small and large group lessons, plan and implement several units of instruction. This half-practicum is designed to be used on very rare occasions when a student needs to do a practicum over a two-semester period of time. Students will register for 4 credits one semester and for 5 credits the second semester.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, 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 MTEL's, 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 MTEL's, grades of C or better in all licensure courses Coreq: EDUC 590

EDUC 595 Student Teaching Half Practicum SECE 1 to 9 cr

Provides the culminating field experience for teacher licensure. Students spend five half days per week in a school classroom. In the role of classroom teacher, they work with individual children, teach small and large group lessons, plan and implement several units of instruction. This half-practicum is designed to be used on very rare occasions when a student needs to do a practicum over a two-semester period of time. Students will register for 4 credits one semester and for 5 credits the second semester.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, 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: LDERS.

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 non-commercial FM radio station. Credit determined by extent of project(s).

Prerequisite: None

ENGL 314 Advanced TV Production and Broadcasting 3 cr

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

Prerequisite: ENGL 214

ENGL 315 Constructing the Short Film 3 cr

Acquaints students with the various aspects of the film production process through the use of videotape. This course gives students an understanding of the kinds of decisions filmmakers encounter and the kinds of techniques they employ. Activities include preparing detailed shooting scripts, 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 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, <i>Midsummer Night's Dream</i> , <i>Measure for Measure</i> and <i>The Tempest</i> .		
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 <i>Typee</i> , <i>Moby-Dick</i> , <i>Billy Budd</i> , <i>The Scarlet Letter</i> , and <i>The Tanglewood Tales</i> .		
Prerequisite: ENGL 250 or department approval		
ENGL 356	James Joyce	3 cr
Considers works such as <i>Ulysses</i> , <i>Finnegan's Wake</i> and <i>Dubliners</i> .		
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," "II 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," "II Penseroso," "Lycidas," "Sampson 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, Roethke, Ginsberg, Brooks, and Neruda). Analysis will focus on what makes these poets essential and definably American - expressive in form and content of the New World experience. Students will read widely in collected works. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 384 Native American Literature 3 cr

Surveys a range of texts drawn from such writers as Silko, Erdrich, Momaday, Black Elk, Vizenor, Welch and Apes. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 385 Irish American Literature 3 cr

Surveys a range of texts drawn from Irish-American authors. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 386 Jewish American Literature 3 cr

Surveys a range of texts drawn from such authors as Bellow, Roth, Ozick, Gluck, Malamud, Ginsberg and Elkins. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 387 Latino/a American Literature 3 cr

Studies texts focusing on the Latino/a experience in the United States. Considers the history of immigration, assimilation, resistance and bi-lingualism which have marked writers placing their vision within the frame of Latino/a history; it will pay particular attention to how such texts set forth a Latino/a experience as both part of and as also distinct from other cultural strands in the United States. Includes such writers as Villareal, Rodriguez, Perez-Firmat, Zamora, Alvares Islas, and Pena. Course attributes: CRCU.

Prerequisite: ENGL 250 or department approval

ENGL 389 Contemporary American Literature: 3 cr

Surveys representative literary texts from the margins and boundaries of the American experience. Concentrates on 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 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		

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

ENVIRONMENTAL STUDIES (ENVI)

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 1 to 2 cr

Utilizes the format of individual reports and/or group discussions of current papers, topics or problems in environmental studies. May also be organized around a seminar series with invited speakers. This course will be graded on a pass/fail basis. Course attributes: ENVI.

Prerequisite: None

ENVI 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	3 cr
Geographic Information Systems/Science is rapidly becoming the optimum approach for displaying and analyzing both spatial and temporal data in virtually every field. Through a series of "on the job" projects, students will learn the concepts, terminology and computer skills necessary to apply these skills to a variety of subject and occupational areas. Students will complete a final project, report and presentation using GIS in their area of interest. Course attributes: ENVI.		
Prerequisite: Tier I Computing Technology/Problem Solving		

ENVI 340	Environmental Law	3 cr
Studies the development of an American consciousness toward the environment throughout our nation's history, emphasizing the political, economic and social forces at work in the consequent creation of United States environmental law. This law will then be considered in detail through the examination of federal, state and local environmental protection legislation, regulations and related court decisions. Course attributes: ENVI.		
Prerequisite: Junior status		
ENVI 340H	Honors: Environmental Law	3 cr
Studies the development of American consciousness toward the environment throughout our nation's history, emphasizing the political, economic and social forces at work in the consequent creation of United States environmental law. This law will then be considered in detail through the examination of federal, state and local environmental protection legislation, regulations and related court decisions. Course attributes: ENVI, HONR.		
Prerequisite: Junior status		
ENVI 350	Advanced Special Topics in Environmental Studies1 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) 3 cr

Builds on ENVI 325, providing opportunities for conceptualizing and solving spatial/temporal problems within the student's primary field of study. Complex spatial analysis, quantitative methods, process model building and the substantial use of remotely sensed data will be key elements of this course. Topics will also include geo-coding, mapping ethics and 3-D map visualization. Course attributes: ENVI.

Prerequisite: ENVI 325 (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

FINE AND PERFORMING ARTS (FPA)

FPA 200 Dance I 3 cr

Introduces dance ranging from traditional ballet to contemporary modern forms. A study of the historical progression and interaction of dance movement will accompany the physical training.

Prerequisite: None

FPA 201 Dance II 3 cr

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

Prerequisite: FPA 200

FPA 202 Topics in Dance 3 cr

Studies specific aspects of dance. Provides advanced work in technique, history and interpretation. Course offerings may include but are not limited to: ethnic dance, tap, jazz, ballet, modern, lyrical.

Prerequisite: None

FPA 500 Supervised Independent Study 1 to 3 cr

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

Prerequisite: Junior/senior status, department approval

FPA 501 Senior Project 3 cr

A directed study exploring how the arts are interdisciplinary. Seniors must present a final project in the context of its time, taking into account the artistic influences and social values that relate to the artist, performer, theatrical play or musical creation.

Prerequisite: Senior FPA major

FPA 540 Internship in Fine and Performing Arts 1 to 15 cr

An opportunity to work in an arts-related job. Work situations might include: a position in a theatre company; collections management or educational outreach employment in a museum; assisting in the management of a community music ensemble or a school music program; work with development, publicity, programming, and publication for an arts council, gallery, or other arts business. Only 3 credits can be applied to FPA major requirements.

Prerequisite: FPA junior/senior status, department approval

FRENCH (FREN)**FREN 101 Elementary French I 3 cr**

Introduces spoken and written French, emphasizing comprehension and communication. Classroom time devoted primarily to listening and speaking, with some reading. Vocabulary presented and illustrated in meaningful contexts. Lab assignments provide practice in writing as well as additional opportunities to hear and read French. First half of a one-year course; intended for those who have no prior experience with French. Conducted in French.

Prerequisite: None

FREN 102 Elementary French II 3 cr

Improves fundamental skills of understanding, speaking, reading and writing French. Students will increase their command of the standard topics of French grammar. Short readings will enhance understanding and appreciation of French-speaking cultures and provide topics of conversation. Second half of a one-year course. Conducted in French. Course attributes: CLA.

Prerequisite: FREN 101 or department approval

FREN 201 Intermediate French I 3 cr

Reviews first-year college French (or high-school equivalent) with a view toward building competence and confidence in students who have been exposed to the basics of the language. Exploration of selected themes in the modern French-speaking world, as well as intensive exercises in the oral and written language. Readings, discussions and brief essays on topics related to French culture. Conducted in French.

Prerequisite: FREN 102 or equivalent

FREN 202 Intermediate French II 3 cr

Presents a selection of French literary works and cultivates skills necessary to read and discuss them with understanding and appreciation. Reviews and expands grammar and vocabulary. Provides opportunities to learn and apply fundamentals of literary analysis and criticism. Readings include the major genres and represent a range of French-speaking countries.

Prerequisite: FREN 201 or department approval

FREN 390 Special Topics in Francophone Studies 3 cr

Studies a specific aspect of the French language and/or a particular Francophone culture in depth. Designed to provide advanced work in selected areas of study. Course topic is identified by subtitle and may include areas such as French society and culture, Francophone groups outside of France, French linguistics and Francophone literature or film. Taught in French unless otherwise noted. May be repeated for credit with a change in topic.

Prerequisite: FREN 201 or department approval

GEOGRAPHY (GEOG)**GEOG 120 World Regional Geography 3 cr**

Focuses on the geographic nature of the forces changing the world including political, demographic, economic, cultural and environmental processes and the interlinked dependencies between unique parts of the world.

Prerequisite: None

GEOG 130 Human Geography 3 cr

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

Prerequisite: None

GEOG 135 Travel and Tourism 3 cr

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

Prerequisite: None

GEOG 151 Introduction to Physical Geography 4 cr

Studies the natural environment from the geographical perspective. Analyzes the distribution and character of the environmental elements, including weather, climate, landforms, soils and vegetation. Examines consequences of human intervention in natural systems. Required laboratory. Course attributes: CSTL, ENVI.

Prerequisite: None

GEOG 152	Introduction to Physical Geology	4 cr
Studies the earth, including the origin and 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		
GEOG 245	Natural Hazards	4 cr
Studies natural processes which are hazardous in the context of human activities, including relevant geologic, geomorphic, climatic and meteorologic phenomena; examines the origin and significance of selected hazards from natural and human perspectives and explores how people underestimate or misjudge risk. Required laboratory. Course attributes: CSTL, ENVI.		
Prerequisite: None		
GEOG 270	Weather and Climate	3 cr
Examines general 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		
GEOG 271	Landforms	3 cr
Examines the description, origin, classification and interpretation of landforms. Analyzes geologic, climatic and biologic factors as landform controls and shows that certain geomorphic processes are natural hazards. Course attributes: CST, ENVI.		
Prerequisite: None		
GEOG 280	Maps and Map Making	3 cr
Examines the principles of map construction; techniques of interpretation; map projections; and the history of mapping.		
Prerequisite: None		
GEOG 300	Topics in Physical Geography	3 cr
Analyzes and evaluates selected contemporary problems in physical geography with an emphasis on environmental issues. Concentrates on feedback between the physical environment and human activity. Topics include: environmental geology, geography and the environment. Course attributes: ENVI.		
Prerequisite: GEOG 151 or GEOG 152 or GEOG 120 or GEOG 130		

GEOG 320	Tourism Planning and Development	3 cr
Examines the elements, agents, context and processes of tourist development; evaluates tourist resources and analyzes the impact of tourist development. Students will have the opportunity to meet with local leaders and practitioners in the field of tourism and will get a broad overview of the problems and prospects of tourism in the Berkshires.		
Prerequisite: None		
GEOG 325	Canada: The Land & People	3 cr
Provides an in-depth examination, region by region, of how Canadians have adapted to varying physical, social, economic, political, and resource conditions, and how these factors have determined various lifestyles and landscapes in Canada.		
Prerequisite: None		
GEOG 330	National Parks & Monuments	3 cr
Studies the topography, geology, climate, flora, fauna and scenic qualities of national parks and monuments by describing the history of the national park system and factors threatening its existence. Course attributes: ENVI.		
Prerequisite: None		
GEOG 350	Cartography	3 cr
Studies map drafting and design; use of cartographic instruments; emphasis on organization and portrayal of data.		
Prerequisite: GEOG 280		
GEOG 360	Environmental Geology	3 cr
Studies geological processes as natural hazards and analyzes geological response to human use of the land. Evaluates geological resources and the legal and geological limitations of resource utilization.		
Prerequisite: GEOG 151 or GEOG 152 and junior/senior status		
GEOG 370	River Systems	3 cr
Studies streams as environmentally significant landscape features in the context of human activity; examines hydrology and flooding, channelization flood plains and their land use patterns, water contamination, and related ecology. Course attributes: ENVI.		
Prerequisite: None		

GEOG 380 Aerial Photography and Remote Sensing 4 cr

Develops skills in interpretive use of vertical aerial photography and other forms of remote sensing to analyze topography, geology, vegetation, soils and cultural features. Required laboratory.

Prerequisite: Junior/senior status, and either a) GEOG 151 or GEOG 152, or b) GEOG 271 or c) ENVI 150

GEOG 500 Independent Study 1 to 3 cr

Independent effort directed to the in-depth study of some aspect of regional or systematic geography.

Prerequisite: Department approval

HISTORY (HIST)

HIST 103 Pre-Modern World Civilization 3 cr

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

Prerequisite: None

HIST 104 Modern World Civilization 3 cr

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

Prerequisite: None

HIST 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)

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)**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, ENVI.

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
<p>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.</p> <p>Prerequisite: MATH 101</p>		
MATH 220	Calculus I	3 cr
<p>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.</p> <p>Prerequisite: MATH 150, placement based on SAT and high school background or department approval</p>		
MATH 232	Introduction to Statistics	3 cr
<p>Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major. Course attributes: CMA.</p> <p>Prerequisite: None</p>		
MATH 240	Introduction to Set Theory and Mathematical Logic	3 cr
<p>Provides a transition from computational mathematics to abstract mathematics and proof. Introduces quantifiers, valid arguments, mathematical systems, types of proofs, mathematical induction, set operations, the algebra of sets, relations, and functions.</p> <p>Prerequisite: MATH 250</p>		
MATH 250	Discrete Mathematics	3 cr
<p>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.</p> <p>Prerequisite: None</p>		
MATH 261	Linear Algebra	3 cr
<p>Investigates the theory of vector spaces, linear equations, linear transformations, determinants, inner product spaces, eigenvalues and eigenvectors.</p> <p>Prerequisite: MATH 220</p>		

MATH 281	Linear Programming	3 cr
<p>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.</p> <p>Prerequisite: MATH 261</p>		
MATH 286	Topics in Mathematics	3 cr
<p>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.</p> <p>Prerequisite: Completion of Tier I Quantitative Reasoning or instructor approval</p>		
MATH 320	Calculus II	3 cr
<p>Studies antiderivatives, the definite integral, transcendental functions, techniques and applications of integration, an introduction to improper integrals. The second of a four-part sequence.</p> <p>Prerequisite: MATH 220</p>		
MATH 328	Interest Theory	3 cr
<p>Treats topics from the mathematical theory of compound interest. Problems dealing with annuities, amortized schedules, sinking funds and bonds will be analyzed.</p> <p>Prerequisite: MATH 320</p>		
MATH 330	Calculus III	3 cr
<p>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.</p> <p>Prerequisite: MATH 320</p>		
MATH 331	Probability and Statistics I	3 cr
<p>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.</p> <p>Prerequisite: MATH 430 or concurrent enrollment in MATH 430</p>		

MATH 332	Probability and Statistics II	3 cr
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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
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Investigates definitions and examples of graphs, graph isomorphism, paths and circuits, connectivity, trees, planar graphs, Euler's formula, graph coloring, four and five color theorems and applications.

Prerequisite: MATH 240 or MATH 261

MATH 344	Geometry	3 cr
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Studies geometries from an advanced standpoint. Some of the topics that may be covered are non-Euclidean geometry, geometry of the complex plane, affine geometry or projective geometry.

Prerequisite: MATH 240

MATH 345	Game Theory	3 cr
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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
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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
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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 240

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

Prerequisite: MATH 320

MATH 380	Differential Equations	3 cr
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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
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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
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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
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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 240

MATH 444	Operations Research	3 cr
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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 240, MATH 330

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 LANGUAGES (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 solfege. 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
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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
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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
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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
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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
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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
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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
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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
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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
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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: CRCU, ENVI, SOCJ.

Prerequisite: A 100-level and a 200-level philosophy course or department approval

PHIL 335	Philosophy of Education	3 cr
Seeing education as the principal means to full personhood raises important questions about autonomy, authority, creativity, and knowledge. This course will examine various philosophical perspectives on these questions and their implications for classroom practice.		
Prerequisite: A 100-level and a 200-level philosophy course or department approval		
PHIL 350	Contemporary Moral Issues	3 cr
Views such issues as war and peace, world poverty, sexual morality and spirituality from the perspectives of traditional and contemporary ethical theories. Course attributes: SOCJ.		
Prerequisite: A 100-level and a 200-level philosophy course or department approval		
PHIL 360	Social and Political Philosophy	3 cr
Investigates conceptual and moral questions posed by life in community with others. These include justifications of democracy, political freedom, natural rights, political obligation, social justice and the challenge of anarchism. Course attributes: SOCJ.		
Prerequisite: A 100-level and a 200-level philosophy course or department approval		
PHIL 375	Ethics and Animals	3 cr
Explores the potentially morally significant relationships between humans and various kinds of non-human animals, applying moral propositions that we, as a society, subscribe to, to see whether they have unacknowledged implications for non-humans.		
Prerequisite: Junior/senior status		
PHIL 375H	Honors: Ethics and Animals	3 cr
Explores the potentially morally significant relationships between humans and various kinds of non-human animals. Explores moral propositions that we, as a society, subscribe to, to see whether they have unacknowledged implications for non-humans. Course attributes: HONR.		
Prerequisite: Junior/senior status		

PHIL 385	Special Topics in Philosophy	3 cr
Challenges students at the junior level, to understand, construct, and criticize both informal (natural language) and formal (categorical and propositional) arguments. The course considers in detail the very notion of argument, argument structure, and the criteria for constructing cogent arguments, and distinguishes arguments supported by evidence and reason from mere opinion and belief. Students will learn to apply these logical concepts in their writing, conversing, and reading.		
Prerequisite: A 100-level or 200-level philosophy course, junior status, or department approval		
PHIL 400	Contemporary Legal Philosophy	3 cr
Examines the nature of law, the logic and sociology of judicial processes and the relationship of law to morality, including a comparison of major legal theories: natural law, legal positivism, legal realism and Marxist legal analysis.		
Prerequisite: A 100-level and a 200-level philosophy course, or department approval		
PHIL 410	Constructing Reality	3 cr
Focusing on the increasingly popular notion that human beings, individually or corporately, actively construct, in part or in whole, the world. This notion transcends disciplinary boundaries, finding expression in such diverse fields as biology, philosophy, psychology, physics, anthropology, sociology, mathematics, theology, literary theory, cybernetics and linguistics.		
Prerequisite: A 100 or 200 level philosophy course or department approval		
PHIL 410H	Honors: Constructing Reality	3 cr
Focusing on the increasingly popular notion that human beings, individually or corporately, actively construct, in part or in whole, the world. This notion transcends disciplinary boundaries, finding expression in such diverse fields as biology, philosophy, psychology, physics, anthropology, sociology, mathematics, theology, literary theory, cybernetics and linguistics. Course attributes: HONR.		
Prerequisite: A 100 or 200 level philosophy course or department approval		

PHIL 485 Special Topics in Philosophy 3 cr

A philosophical topics course tailored to changing student needs and interests, each offering focuses on a period in the history of philosophy (e.g. Greek philosophy, medieval philosophy, 20th century American philosophy, etc.), the works of an individual philosopher (e.g., Plato, Hegel, Hume, Kant, Descartes, etc.), or the critical examination of a philosophically challenging concept (e.g., freedom, value, meaning, truth, relativism, rights, justice, etc.)

Prerequisite: A 100 level and 200 level philosophy course or department approval

PHIL 495 Teaching Assistantship in Philosophy 3 cr

Provides assistance to philosophy majors who intend to pursue active teaching careers in the discipline. Students will be assigned to a department member to assist in the teaching of lower-level courses.

Prerequisite: Minimum of 18 semester hours in philosophy and department approval

PHIL 500 Directed Independent Study 1 to 3 cr

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

Prerequisite: A 100-level and a 200-level philosophy course, junior/senior status, department approval

PHIL 540 Philosophy Internship 3 to 9 cr

Philosophy is applicable to a wide range of professions and activities (e.g. law, business, education, public service). The philosophy internship is designed to allow advanced students with a particular focus or career goal to design and pursue such applications with faculty supervision including a significant component of writing about their experiences. Up to 9 credits per semester, three of which may apply to minimum major requirements.

Prerequisite: Senior status and department approval

PHYSICS (PHYS)**PHYS 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 500	Directed Independent Study	1 to 3 cr
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.		
Prerequisite: Junior/senior status, department approval		
PHYS 510	Independent Research	1 to 3 cr
Participation in research in physics under the direction of a member of the physics faculty in a specific area.		
Prerequisite: Department approval		
PHYS 540	Physics Internship	3 to 15 cr
Offers the upper-level physics major an opportunity to practice physics in an appropriate professional situation. The student will work with a faculty sponsor and an off-campus supervisor in gaining experience significant to the major.		
Prerequisite: Department approval, junior/senior status		
PHYS 580	Special Topics in Physics	1 to 4 cr
Studies concepts, problems, issues, topics or themes that are important in the field of physics. Special topic seminars may explore a variety of topics including but not limited to: physics for educators, solid state physics, robotics and engineering applications. Lab may be required depending on topic.		
Prerequisite: Department approval		

POLITICAL SCIENCE (POSC)		
POSC 201	U.S. Government and Public Policy	3 cr
Introduces the major institutions of national and state government and the discipline of political science. Through interdisciplinary study, students will develop an understanding of political behavior and the public policy processes in the United States. Course attributes: CSS, ENVI.		
Prerequisite: None		
POSC 202	Comparative Government and Public Policy	3 cr
Provides a comparative introduction to world political cultures and the discipline of political science. Through an interdisciplinary study of various nation-states, students will develop an understanding of political behavior and public policy processes. Course attributes: CSS, ENVI.		
Prerequisite: None		
POSC 205	International Relations	3 cr
Studies relations among nation-states. Analyzes the nature of world political systems by examining concepts of power, political economy, decision-making, nongovernmental actors, international organizations, and political ideology.		
Prerequisite: None		
POSC 210	Political Science Research and Methods	3 cr
Provides students with an understanding of various theoretical approaches to the study of politics and the public policy processes, as well as developing skills in social science quantitative and qualitative research methods.		
Prerequisite: None		
POSC 300	Politics and the News Media in America	3 cr
Examines politics in 20th century America with an eye to the role and responsibility of the news media in, and the relationship of the press to, politics. Analyzes the print and electronic media and current political campaigns, as well as how politics and the news media have been portrayed in film.		
Prerequisite: Junior/senior status		
POSC 304	Constitutional Law	3 cr
Analyzes constitutional law with special emphasis on civil liberties and civil rights. Legal issues will be examined in the light of relevant social and political conditions. Course attributes: SOCJ.		
Prerequisite: Junior/senior status		

POSC 315	Topics in Political Science	3 cr
Focuses on political science and government in national, regional, and international organizations throughout the world. Topics include: The United Nations; State and Local Government; Politics and Economics of the Pacific Rim; Vietnam.		
Prerequisite: Junior/senior status		
POSC 316	Topics in Public Policy	3 cr
Focuses on selected public policies and the policy process in the United States and/or state governments.		
Prerequisite: POSC 201, POSC 202		
POSC 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. Course attributes: C&FS.

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 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
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Emphasizes components of clear written communication. Prepares students for college level writing requirements. Includes lectures, writing activities, and group and individual discussions.

Prerequisite: Placement based on college testing, SAT scores, faculty or admissions referral

SKIL 098	Learning Strategies and Study Skills	3 cr
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Provides the means for students to understand personal strengths and weaknesses in reading and studying. Facilitates development of techniques for efficient information acquisition and encourages appreciation of reading as a method of acquiring knowledge. Increases reading speed, vocabulary development and awareness of other academic success strategies.

Prerequisite: Placement based on college testing, SAT scores, high school background, faculty or admissions referral

SOCIOLOGY (SOCI)

SOCI 100	Introduction to Sociology	3 cr
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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
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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
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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
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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 302	Genocide	3 cr
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Examines legal definition and cases of genocide to understand structural preconditions and effective prevention strategies. Course attributes: CRCU, SOCJ.

Prerequisite: SOCI 100

SOCI 303	Social Movements	3 cr
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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, and 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, junior/senior status

SOCI 312	Sociological Theory	3 cr
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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
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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 is 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.		
Prerequisite: SOCI 100, junior/senior status		
SOCI 341	Social Stratification	3 cr
Explores and analyzes stratification systems, theories of stratification, social mobility, types of inequality, methods of measuring inequality, and the impact of inequality upon life style and personality. Course attributes: SOCJ.		
Prerequisite: SOCI 100		
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 432 Doing Sociology: Workshop in Research Methods 4 cr

Provides experience in designing and carrying out an applied community or institutional research project. Involves practical application of research techniques and includes: a review of the literature, questionnaire construction, interviewing/data gathering, coding and data analysis.

Prerequisite: SOCI 100, SOCI 331, and department approval

SOCI 499 Teaching Assistant in Sociology 3 cr

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

Prerequisite: Junior/senior status

SOCI 500 Independent Study - Sociology 1 to 3 cr

Open to juniors and seniors who wish to read in a given area or to study a topic in depth under the direction of a sociologist. Requires written reports and frequent conferences with the advisor.

Prerequisite: Junior/senior status, department approval

SOCI 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 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 organizing.

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
<p>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.</p> <p>Prerequisite: SOCI 100 or PSYC 100</p>		
SOWK 350	Group Counseling Skills	3 cr
<p>Combines group counseling theory and classroom experiences at the introductory level to develop understanding and skills in the helping of others in groups. Students will learn group leadership skills, how to recognize and work with group dynamics, and how to plan, lead, and terminate social work groups. Course attributes: LDRS.</p> <p>Prerequisite: SOCI 100 or PSYC 100</p>		
SOWK 355	Community Organizing	3 cr
<p>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.</p> <p>Prerequisite: SOCI 100, recommended SOWK 348</p>		
SOWK 375	Family Violence	3 cr
<p>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.</p> <p>Prerequisite: SOCI 100 or SOCI 210 or PSYC 100 and junior status</p>		
SOWK 380	Women and Health	3 cr
<p>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.</p> <p>Prerequisite: SOCI 100 or ANTH 130 or ANTH 140</p>		

SOWK 382	Social Work Administration	3 cr
<p>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.</p> <p>Prerequisite: SOCI 100 or PSYC 100 or any Self & Society course</p>		
SOWK 395	Special Topics in Social Work	3 cr
<p>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.</p> <p>Prerequisite: SOCI 100 and additional prereqs to be announced</p>		
SOWK 442	Social Casework	3 cr
<p>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.</p> <p>Prerequisite: SOWK 348</p>		
SOWK 443	Casework with Couples and Families	3 cr
<p>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.</p> <p>Prerequisite: SOWK 348</p>		
SOWK 452	Social Work with Juvenile Delinquents	3 cr
<p>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.</p> <p>Prerequisite: SOCI 100 or PSYC 100</p>		

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 238 Experiencing Performance 3 cr**

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

Prerequisite: None

THEA 271 Discovering Plays 3 cr

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

Prerequisite: None

THEA 272 Exploring Production 3 cr

Provides a foundation in the practice of technical theatre, preparation for work in scenery, lighting and costumes, as well as the basics of design. Class projects are designed to reinforce specific technical and design skills discussed and demonstrated in class. Additionally, the required lab time outside of class provides hands-on experience. Emphasis is placed on procedures, practice, and nomenclature.

Prerequisite: None

THEA 320 Costume Construction and Crafts 3 cr

Focuses on aspects of costume construction and crafts. Familiarizes students with the methods, materials, equipment, concepts, and processes involved in the construction of costumes for the theatre. The emphasis of this course will be on the physical process that results in the production of costumes through construction and craft techniques.

Prerequisite: THEA 272

THEA 321 Scenery Construction and Painting 3 cr

Focuses on aspects of scenery construction and painting. Familiarizes students with the methods, materials, equipment, concepts, and processes involved in the construction and painting of scenery for the theatre. The emphasis of this course will be on the physical process that results in the production of scenery through construction and painting techniques.

Prerequisite: THEA 272

THEA 372 Theatre Practicum 1 to 3 cr

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

Prerequisite: By audition

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

CCL = Core Computing Technology

CHH = Core Human Heritage

CLA = Core Language Arts

CMA = Core Quantitative Reasoning

CRCU = Cross-Cultural Social Justice –Cross Cultural Track

CSS = Core Self & Society

CST = Core Science & Technology

CSTL = Core Science & Technology with lab

CWR = Core Critical Reading, Thinking, and Writing

ENVI = Environmental Studies

HONR = Honors Program

LDRS = Leadership Minor

SOJ = 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

Justin Golub: animal behavior, developmental biology, evolution, and biotechniques

B.S., Union College

M.S., Concordia University

Ph.D., Clark University

Sarah Herrick: exercise physiology, anatomy and physiology

B.S., Central Connecticut State University

M.S., Springfield College

Ph.D., Springfield College

Ryan Krzyzanowicz: clinical athletic training, accreditation

B.S., Slipper Rock University

M.S., Old Dominion University

D.A.T., University of Idaho

**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, (Director of Business Resource Center)

B.S., American International College

M.B.A., American International College

ASSISTANT PROFESSOR

Thomas Whalen: Business Administration - management, marketing, leadership, culture studies
 B.S., U.S. Naval Academy
 M.S., Troy University
 Ph.D., Gonzaga University

INSTRUCTOR

Paulette A. Remillard: accounting
 B.S., Massachusetts College of Liberal Arts
 B.A., Massachusetts College of Liberal Arts
 M.B.A., Eisenberg School of Management, University of Massachusetts-Amherst

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

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: curriculum theory, teachers and civil disobedience, democratic practice
 B.A., Alliance Française
 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

ASSISTANT PROFESSOR

Christopher M. Himes: science education, diversity in science & education, evolutionary biology

B.S., University of Massachusetts, Boston

Ph.D., University of Washington

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

Zachary Finch: American literature, creative writing, contemporary poetry and poetics

B.A., Dartmouth College

M.F.A., Warren Wilson College's MFA Program for Writers

Ph.D., University of Buffalo

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: geography, geology

B.A., Elmhurst College

M.A., Western Michigan University

Ph.D., Arizona State University

ASSOCIATE PROFESSOR

Daniel Shustack: environmental studies and ornithology

B.S., Pennsylvania State University

M.S., University of Vermont

Ph.D., Ohio State University

Elena Traister: stream ecology

B.A., Williams College

M.A., Yale University

Ph.D., University of New Hampshire

FINE AND PERFORMING ARTS DEPARTMENT

PROFESSOR

Christine Condaris: vocal ensembles, ethnomusicology, musicology

B.A., Wesleyan University

M.A., New York University

Ph.D., Wesleyan University

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

Lisa Donovan: arts management, arts education, arts integration, arts based research

B.A., SUNY Oneonta

M.S., Boston University

Ph.D., Lesley 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

Dawn Shamburger: theatre design and technology

B.A., Northwestern State University

M.F.A., University of North Carolina

ASSISTANT PROFESSOR

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

Laura Standley: acting, directing, play analysis

B.A., University of Central Oklahoma

M.F.A., University of California, Irvine

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

Sharon M. Thomas: Ecotourism, human and world geography, contemporary issues

B.A., Arizona State University

M.A., Arizona State University

Ph.D., Arizona State University

ASSISTANT PROFESSOR

David Cupery: Latin American, 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

Ben Taylor: American politics, political behavior, political communication, Research methods

A.B., Georgia State University

M.A., Georgia State University

Ph.D., Georgia State University

LIBRARIAN

LIBRARIAN

Linda Kaufmann

B.A., Marlboro College

M.L.S., University of Albany, SUNY

ASSOCIATE LIBRARIAN

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

ASSOCIATE PROFESSOR**Christopher L. Thomas:** geometric group theory

B.S., University of Massachusetts, Amherst

Ph.D., Tufts University

ASSISTANT PROFESSOR**Elizabeth Hartung:** graph theory, modeling, combinatorics

B.S., Indiana University of Pennsylvania

M.S., Syracuse University

Ph.D., Syracuse University

Duy Nguyen : Mathematics

B.S., Ho Chi Minh City University of Science

M.S., Ohio University

Ph.D., University of Georgia

**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

ASSISTANT PROFESSOR**Mariana Bolívar Rubín:** -Spanish -specialization 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

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

PHYSICS DEPARTMENT
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

PSYCHOLOGY DEPARTMENT
PROFESSOR

Maria Bartini: peer relations in childhood and adolescence, school bullying, gender development

B.S., College of William & Mary

M.S., University of Georgia

Ph.D., University of Georgia

Thomas Byrne: behavior analysis, biological psychology, drugs and human behavior

B.A., University of Florida

M.A., Western Michigan University

Ph.D., Western Michigan University

Deborah A. Foss: human sexuality, research methods, social diversity

B.A., 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

ASSISTANT PROFESSOR

Kebra Ward: experimental optics

B.S., University of Southern California

M.S., Lehigh University

Ph.D. Candidate, Lehigh 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

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
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

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

2015-2016

Rev. 6-17-2014

SEPTEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Aug. 30- Sept. 1 New Student First Days
 1 Orientation
 1 Late Registration
 2 Classes Begin
 7 Labor Day
 10 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

12 Columbus Day
 14 Incomplete Deadline
 14 Mid-term Warnings
 28 End of Withdrawal "W"
 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					

11 Veterans' Day
 25-27 Thanksgiving Break
 30 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		

11 Last Day of Classes
 12 & 13 Reading Days
 14-17 Finals (14,15,16,17)
 16 Last Evening Class
 19 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
 18 Martin Luther King Day
 18 Day of Service
 19 Late Registration/Orientation
 20 Classes Begin
 28 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	29				

15 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	

2 Incomplete Deadline
 2 Mid-term Warnings
 14-18 Spring Break
 21 Classes Resume
 23 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

18 Patriot's Day
 21 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				

2 Last Day of Classes
 3,7,8 Reading Days
 4-9 Finals (4,5,6,9)
 9 Last Evening Class
 11 Grades Due - Noon
 13 Baccalaureate
 14 Commencement
 30 Memorial Day

Fall 2015
 M 14
 T 16
 W 14
 R 15
 F 14
 S 2
 U 1
 Total 76

Spring 2016
 M 15
 T 15
 W 15
 R 15
 F 16
 S 3
 U 1
 Total 80

Grand Total 156



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