

MCLA

UNDERGRADUATE

ACADEMIC PROGRAM

CATALOG 2021 - 2022

TABLE OF CONTENTS

Undergraduate Course Catalog	4	Business Administration - Management Concentration, B.S.	64
A Message from the President	5	Business Administration - Marketing Concentration, B.S.	65
Mission Statement	6	Business Administration Minor	65
The College and Its History	9	Economics Minor	65
Board of Trustees, 2021-2022	9	Entrepreneurship Minor	65
Executive Staff	9	Leadership Minor	65
Addresses	10	Marketing Minor	66
Admission	11	Chemistry	67
Billing information	13	Chemistry - Biochemistry Concentration, B.S.	68
Financial Aid Information	14	Chemistry Minor	68
Veteran Information	15	Chemistry, B.S.	68
The Undergraduate Experience	16	Communications	70
Academic Programs of Study	28	Communications - Digital Media Innovations Concentration, B.A.	77
Core Curriculum	29	Communications - Broadcast Media Concentration, B.A.	77
Art	43	Communications - Journalism Concentration, B.A.	77
Art - Design Concentration, B.A.	45	Communications - Public Relations & Corporate Communications Concentration, B.A.	78
Art - Studio Art Concentration, B.A.	45	Computer Science and Information Systems	79
Art History Minor	45	Business Information Systems Minor	82
Art Minor	45	Computer Science - Bioinformatics Concentration, B.S.	82
Design Minor	45	Computer Science - Business Information Systems Concentration, B.S.	82
Arts Management	46	Computer Science - Electrical Engineering Concentration, B.S.	82
Arts Management, B.A.	48	Computer Science - Information Technology Concentration, B.S.	83
Arts Management Minor	48	Computer Science - Software Development Concentration, B.S.	83
Biology	49	Electrical Engineering Minor	83
Biology - Biotechnology Concentration, B.S.	55	Information Technology Minor	83
Biology - Pre-Medical Professions Concentration, B.S.	55	Software Development Minor	83
Biology - Pre-Veterinary Concentration, B.S.	55	Education	84
Biology Minor	56	Teacher Licensure (5-12)	88
Biology, B.S.	56	Teacher Licensure (5-8)	88
Health and Society Minor	56	Teacher Licensure (8-12)	89
MCLA – Berkshire Community College Biotechnology Articulation Agreement	56	Teacher Licensure for Early Childhood (Pre-Kindergarten - Grade 2)	89
Public Health Minor	57	Teacher Licensure for Elementary (1-6)	90
Sport Coaching Minor	57	English	92
Business Administration and Economics	58	Creative Writing Minor	99
Business Administration, B.S.	63	English - Film Studies Concentration, B.A.	99
Business Administration - Accounting Concentration, B.S.	63	English - Literature Concentration, B.A.	99
Business Administration - Event & Sport Management Concentration, B.S.	63		
Business Administration - International Business Concentration, B.S.	64		

English - Writing Concentration, B.A.	100	Mathematics Minor	135
English Minor	100	Modern Languages	136
Literature Minor	100	Spanish Minor	137
Environmental Studies	101	Performing Arts	138
Earth Science Minor	104	Music Minor	142
Environmental Science Minor	104	Music Production Minor	142
Environmental Studies - Environmental Science Concentration, B.S.	105	Performing Arts - Music Concentration, B.A.	142
Environmental Studies - Environmental Sustainability Concentration, B.S.	105	Performing Arts - Theatre Concentration, B.A.	142
Environmental Sustainability Minor	105	Theatre Minor	142
Health Sciences	107	Philosophy	143
Health Sciences, B.S.	117	Philosophy - Law, Ethics, and Society Concentration, B.A.	145
Health Sciences - Medical Technology Concentration, B.S. ...	117	Philosophy Minor	145
Health Sciences - Pre-Occupational Therapy Concentration, B.S.	118	Philosophy, B.A.	145
Health Sciences - Pre-Physical Therapy Concentration, B.S.	118	Physical Education	146
Health Sciences - Sports Medicine Concentration, B.S.	118	Physics	148
Health Sciences- Pre-Physician Assistant Concentration, B.S.	118	Physics Minor	149
Health Sciences - Nutrition Concentration, B.S.	119	Physics, B.A.	149
Health Sciences - Radiologic Technology Concentration, B.S.	119	Physics, B.S.	150
History	120	Political Science	151
History Minor	122	Political Science, B.A.	153
History, B.A.	122	Political Science Minor	153
Public History Minor	122	Psychology	154
Honors Program	123	Behavior Analysis Minor (For Non-Psychology Majors)	157
All College Honors Program	125	Psychology Minor Program	157
Commonwealth Scholar Program	125	Psychology, B.A.	157
Interdisciplinary Studies	127	Psychology- Behavior Analysis Concentration, B.A.	158
American Ethnic Studies Minor	128	Public Health and Community Health Education	159
Cross-Cultural & Social Justice Minor	129	Public Health and Community Health Education, B.S.	165
Interdisciplinary Studies (Pre-Designed) - American Studies Area of Concentration, B.A.	130	Sociology, Anthropology, and Social Work	166
Interdisciplinary Studies (Pre-Designed) - Cultural Studies Area of Concentration, B.A.	130	Anthropology Minor	171
Interdisciplinary Studies (Pre-Designed) - International and Global Studies Area of Concentration, B.A.	130	Child and Family Studies Minor	172
Interdisciplinary Studies, B.A.	131	Criminal Justice Minor	172
Mathematics	132	Social Work Minor	172
Mathematics, B.S.	134	Sociology Minor	172
Mathematics - Mathematics Education Concentration, B.S.	134	Sociology, B.A.	173
		Women, Gender, and Sexuality Studies	174
		Women, Gender, and Sexuality Studies Minor	174
		Course Descriptions	175
		Academics (ACAD)	176
		Anthropology (ANTH)	176
		Art (ART)	177
		Art History (ARTH)	178

Arts Management (AMGT)	179	Travel (TRVL)	241
Athletic Training (ATTR)	180	Women Gender Sexuality Studies (WGSS)	241
Biology (BIOL)	182	Faculty Listing	242
Business Administration (BADM)	186	Academic Calendar	247
Capstone (CCAP)	189	Campus Map	248
Chemistry (CHEM)	189	Index	249
Communications (COMM)	191		
Computer Science (CSCI)	193		
Computing & Communications (CCCL)	196		
Creative Arts (CCCA)	196		
Dance (DANC)	197		
Earth Science (ERTH)	197		
Economics (ECON)	198		
Education (EDUC)	199		
English (ENGL)	202		
Entrepreneurship (ENTR)	206		
Environmental Studies (ENVI)	206		
Fine & Performing Arts (FPA)	208		
French (FREN)	208		
Health (HLTH)	209		
History (HIST)	210		
Honors (HONR)	212		
Human Heritage (CCHH)	215		
Interdisciplinary Studies (IDST)	215		
Italian (ITAL)	216		
Leadership (LEAD)	216		
Mathematics (MATH)	217		
Modern Language (MODL)	219		
Music (MUSI)	219		
Philosophy (PHIL)	220		
Physical Education (PHED)	222		
Physics (PHYS)	223		
Political Science (POSC)	224		
Psychology (PSYC)	226		
Radiologic Science (RADS)	229		
Radiologic Technology (RADT)	231		
Science & Technology (CCST)	234		
Self & Society (CCSS)	235		
Social Work (SOWK)	235		
Sociology (SOCL)	236		
Spanish (SPAN)	239		
Theatre (THEA)	239		

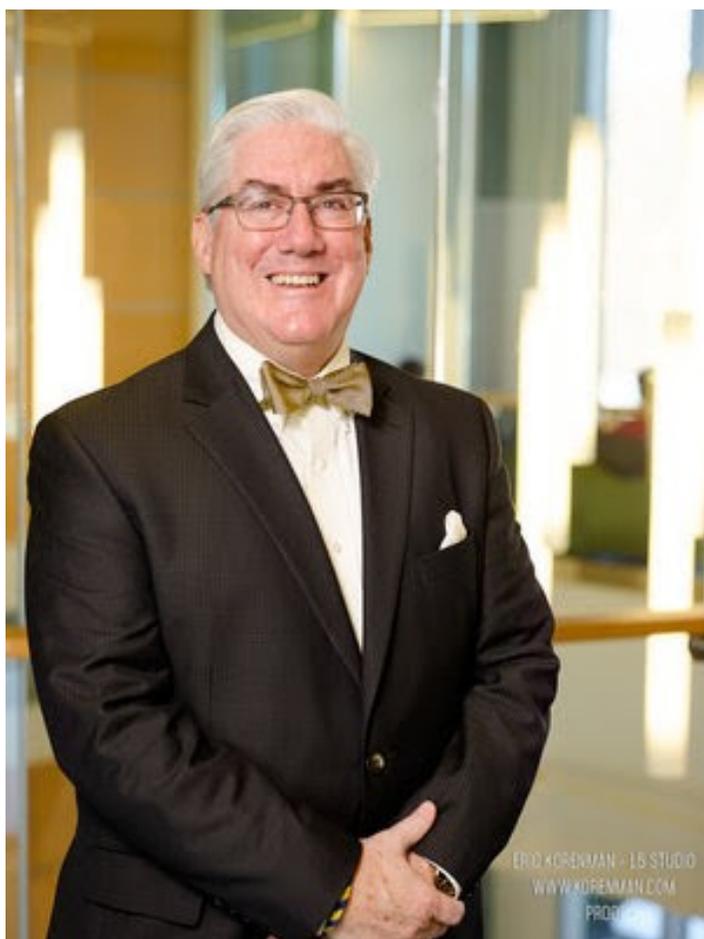
UNDERGRADUATE COURSE CATALOG

- A Message from the President (p. 5)
- Mission Statement (p. 6)
- The College and Its History (p. 9)
- Admission (p. 11)
- Billing information (p. 13)
- Financial Aid Information (p. 14)
- Veteran Information (p. 15)
- The Undergraduate Experience (p. 16)
- Academic Programs of Study (p. 28)
- Course Descriptions (p. 175)
- Faculty Listing (p. 242)
- Academic Calendar (p. 247)
- Campus Map (p. 248)

A MESSAGE FROM THE PRESIDENT

Dear Students:

Welcome to Massachusetts College of Liberal Arts (MCLA), the Commonwealth's public liberal arts college. Located in the beautiful Berkshires of Western Massachusetts, MCLA's campus is in North Adams, a city in the midst of a stunning revitalization. Being right in the middle of a community known for its vibrant culture, art, and seemingly endless opportunities for natural recreation adds another dimension to the educational experience you will have at MCLA.



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

The academic experience at MCLA empowers you and prepares you to deal with complex and diverse issues while pursuing in-depth achievement in a specific field of study. We provide a wide range of engagement opportunities both in and out of the classroom, including research projects, internships, service projects, and study abroad.

These experiences will strengthen and refine your critical thinking, communications, and leadership skills – a foundation crucial to success in the global economy and engaged citizenship in your community.

Our campus continues to expand in dynamic ways. In 2013 we opened the Feigenbaum Center for Science and Innovation, a state-of-the-art, LEED Gold-certified facility that provides students, faculty, and the education community of Berkshire County with new opportunities for teaching, learning, and discovery. In 2015 we opened the newly renovated and technologically advanced, LEED-certified Bowman Hall, which houses a student-centered art gallery, art studios, PRESS Gallery, and hardware and software labs as well as the math, computer science, arts management, and visual arts departments.

In 2018, we opened the Design Lab in downtown North Adams at 49 Main Street. Outfitted with five separate workstations, each equipped with interactive short-throw projectors and ample whiteboard space, the Design Lab is uniquely suited for collaborative problem-solving, while its open, flexible floor plan is an ideal space for curricular and co-curricular innovation, as well as a multi-purpose venue for the College and the community.

In 2019, MCLA completed a \$3 million renovation of the Centennial Dining Room. And in 2020, we opened a new fitness center in Amsler Campus Center with state of the art equipment.

MCLA is an increasingly diverse and inclusive academic community 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.

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

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

Sincerely,

James F. Birge, Ph.D.
President

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 Commission on Institutions of Higher Education of the New England Commission of Higher Education (NECHE (<https://www.necche.org/>)) - formally New England Association of Schools and Colleges, Inc. (NEASC (<https://www.neasc.org/>)).

MCLA received notification of our reaccreditation by NEASC in April 2014, following a campus visit in November 2013 by a team of NEASC peer reviews.

Accreditation of an institution of higher education by the Commission 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 Commission 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.

Inquiries regarding the accreditation status by the Commission should be directed to the Office of Academic Affairs. Individuals may also contact:

Commission on Institutions of Higher Education New England
Commission of Higher Education (NECHE) (<https://www.necche.org/>).

3 Burlington Woods Drive, Suite 100, Burlington, MA 01803-4514

781-425-7785 or info@necche.org

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, 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.

Equal Opportunity and Non-Discrimination Policies

MCLA is committed to a policy of non-discrimination, equal opportunity, diversity and affirmative action, and dedicated to providing educational, working and living environments that value the diverse backgrounds of all people.

MCLA does not discriminate in admission or access to, or treatment or employment in, its educational programs and activities on the basis of race, color, religion, national origin, age, disability, gender, sexual orientation, gender identity, gender expression, genetic information, marital or parental status, or veteran status.

MCLA prohibits discrimination or discriminatory harassment on all of those bases. Such behaviors violate the Policy Against Discrimination, Discriminatory Harassment and Retaliation, will not be tolerated, and may result in disciplinary action up to and including termination or expulsion.

MCLA has appointed an Equal Opportunity Officer ("EO Officer") to oversee its compliance with this policy, as well as with the state and federal non-discrimination and equal opportunity laws. Anyone with questions, concerns, or complaints regarding discrimination, discriminatory harassment, or retaliation may contact the EO Officer using the contact information below.

For Students:

Heather Quire, Dean of Students
Interim Title IX Coordinator and Equal Opportunity Officer for students
Office Location: Amsler Campus Center, Room 306
Phone: 413-662-5231
Email: Heather.Quire@mcla.edu

Mailing Address: 375 Church Street, North Adams, MA 01247

For Employees:

Christopher Hays, Human Resources Generalist
Interim Title IX Coordinator and Equal Opportunity Officer for employees
Office Location: Mark Hopkins, Room 101
Phone: 413-662-5597
Email: Christopher.Hays@mcla.edu
Mailing Address: 375 Church Street, North Adams, MA 01247

It is also MCLA's policy to provide each student, employee, and other person having dealings with the institutions an environment free from sexual violence and all forms of misconduct on the basis of gender. MCLA prohibits sexual harassment, including rape, statutory rape, sexual assault, incest, domestic violence, dating violence, stalking, and retaliation. These behaviors violate the Title IX Sexual Harassment Policy, will not be tolerated, and may result in disciplinary action, up to and including termination or expulsion.

MCLA's Title IX Coordinator can assist you to understand your rights and reporting options. Any person may report sex discrimination, including sexual harassment, whether or not the person reporting is the person alleged to be the victim of conduct that could constitute sex discrimination or sexual harassment. Reports can be made in person, by mail, by telephone, or by email using the contact information listed for the Title IX Coordinator, or by any other means that result in the Title IX Coordinator receiving the person's verbal or written report.

Reports may be made at any time (including during non-business hours) by using the telephone number or electronic mail address, or by mail to the office address, listed for the Title IX Coordinator. If you make a report during non-business hours, the Title IX Coordinator will follow up with you when the office reopens. If you would like to speak to the Title IX Coordinator in person, please call or email to schedule an appointment.

For Students:

Heather Quire, Dean of Students
Interim Title IX Coordinator and Equal Opportunity Officer for students
Office Location: Amsler Campus Center, Room 306
Phone: 413-662-5231
Email: Heather.Quire@mcla.edu
Mailing Address: 375 Church Street, North Adams, MA 01247

For Employees:

Christopher Hays, Human Resources Generalist
Interim Title IX Coordinator and Equal Opportunity Officer for employees
Office Location: Mark Hopkins, Room 101
Phone: 413-662-5597
Email: Christopher.Hays@mcla.edu
Mailing Address: 375 Church Street, North Adams, MA 01247

Any person with questions or concerns about any form of sexual violence, sexual harassment, gender-based harassment, domestic violence, dating violence and stalking and/or retaliation may also contact:

The U.S. Department of Education, Office for Civil Rights 33 Arch Street,
9th Floor, Boston, MA 02119-1424 (617) 289-0111/Fax (617) 289-0150,
TDD (877) 521-2172 OCR.Boston@ed.gov

MCLA's Non-Discrimination, Discriminatory Harassment, and Retaliation Policy and Title IX Sexual Harassment Policy apply in all College programs and activities, including, but not limited to, athletics, instruction, grading, housing, and employment. They apply to all members of the campus community, including, but not limited to, students, faculty,

librarians, staff, visitors, contractors, and applicants for employment or admission. They also apply to off-campus conduct that negatively affects a community member's experience in the MCLA environment.

For complete policy information, please refer to the Equal Opportunity, Diversity and Affirmative Action Plan (EO Plan) found at www.mcla.edu/eoplan (<http://www.mcla.edu/eoplan/>).

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.

For more information, please visit mcla.edu/info-for/current-student/student-handbook/ferpa (<https://dev.mcla.edu/info-for/current-student/student-handbook/ferpa.php>).

Assessment of Student Learning

Assessment fulfills MCLA's goal of continuous improvement and is necessary in order to maintain its accredited status. 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.

For more information, please visit mcla.edu/administration/academic-affairs/assessment (<https://www.mcla.edu/administration/academic-affairs/assessment/>).

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 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.

Board of Trustees, 2021-2022

MOHAN BOODRAM, CHAIR, QUINCY

Mr. Boodram is Dean of Admissions and Financial Aid at Harvard University Graduate School of Arts and Sciences.

BRENDA BURDICK, VICE CHAIR, ADAMS

Ms. Burdick is Senior Manager of Marketing and Public Relations for General Dynamics Mission Systems.

JOHN BARRETT III, NORTH ADAMS

Mr. Barrett is the state representative for the 1st Berkshire district. As a former 13-term Mayor, he is the first graduate of MCLA to serve as Mayor of North Adams. He is a longtime supporter of MCLA and has been a strong advocate for public higher education in Massachusetts.

JONDAVID (JD) CHESLOFF, ARLINGTON

Mr. Chesloff is Executive Director of the Massachusetts Business Roundtable.

SUSAN GOLD, WILLIAMSTOWN

Ms. Gold is an active community volunteer who has worked with a number of organizations in Berkshire County, including Northern Berkshire Health Systems, MASS MoCA, and the MCLA Foundation.

FREDERICK J. KEATOR, LENOX

Mr. Keator is Managing Partner of the Keator Group, LLC, a nationally recognized wealth management firm.

KAREN KOWALCZYK, DALTON

Ms. Kowalczyk is a Certified Public Accountant with over thirty years experience in private practice.

DENISE MARSHALL '81, PITTSFIELD

Ms. Marshall is a former Executive Vice President of Adams Community Bank based in Adams, MA.

DR. ROBERT REILLY, LANESBOROUGH

Dr. Reilly is a retired educator, researcher, and author. His career encompassed MIT, MCLA, UMass Amherst, and elementary schools in Lanesborough and Springfield.

KATHLEEN THERRIEN '97, WILLIAMSTOWN

Ms. Therrien is the Director of Trust and Estate Administration at Williams College.

Executive Staff

Director of Marketing and Communications

Bernadette Alden
B.A., Framingham State University
Bernadette.Alden@mcla.edu

Executive Director of Human Resources/ Payroll Office

Barbara T. Chaput
B.A., Elms College
M.B.A., Western New England University

Barbara.Chaput@mcla.edu

Vice President of Administration & Finance

Joseph G. DaSilva
A.B.A., Holyoke Community College
B.S., Western New England University
M.S., Bay Path University
Joseph.DaSilva@mcla.edu

Vice President of Academic Affairs

Dr. Richard Glejzer
B.A., University of New Hampshire
M.A., University of New Hampshire
Ph. D., University of Missouri-Columbia
Richard.Glejzer@mcla.edu

Chief Diversity Officer

Christopher MacDonald-Dennis
B.A., Framingham State University
M.S., Northeastern University
Ed.D. University of Massachusetts Amherst
M.Div. Lexington Theological Seminary
Christopher.MacDonald-Dennis@mcla.edu

Vice President for Strategic Initiatives

Gina Puc '07
B.A., Massachusetts College of Liberal Arts
G.Puc@mcla.edu

Vice President of Student Affairs

Dr. Jeannette N. Smith
B.A., University of Nevada, Reno
M.A., University of Nevada, Reno
Ph.D., University of Nevada, Reno
Jeannette.Smith@mcla.edu

Vice President for Institutional Advancement

Robert P. Ziomek '89
B.A., Massachusetts College of Liberal Arts (North Adams State College)
A.A., Holyoke Community College
Robert.Ziomek@mcla.edu

Addresses

Main Campus

375 Church Street

North Adams, MA 01247

413.662.5000

Pittsfield

66 Allen Street

Pittsfield, MA 01201

413.662.5575

ADMISSION

www.mcla.edu/admission-aid (<https://www.mcla.edu/admission-aid/>)
(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 visit our website at www.mcla.edu/visit (<https://www.mcla.edu/admission-aid/visit-us/>).

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. First-year 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 admission 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

First-year 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

First-year Admission Requirements

MCLA's admission standards are selective and decisions are made on an individual basis after careful review of all academic credentials. First-year 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 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. First-year applicants must submit the Common Application which can be accessed through the MCLA website or www.commonapp.org (<http://www.commonapp.org>).

High School Record

All first-year 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.

Subject	Units
English	4
Mathematics	4
Science (with labs)	3
Social Science	2
Foreign Language	2
Electives	2
Total	17

1. English courses must cover both composition and literature and should include the development of reading, writing and comprehension skills.
2. 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.
3. Science courses must include three units with lab work.
4. Social science courses, including one year of United States history.
5. Foreign language must be two levels of a single language.
6. Elective courses selected from additional college preparatory courses or from the above subjects or from arts and humanities or computer science.

Standardized Test Scores

MCLA will be piloting a test-blind (test-free) policy for fall 2022 applicants.

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.
- Official transcripts must be received from each college/university attended.
- A final high school transcript showing proof of graduation should be submitted 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 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 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 Tier I and Tier II requirements in each domain.

All other transfer students will receive credit toward the 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 Director 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 associate degree and enroll in an approved MassTransfer program receive guaranteed admission, full transfer of credits and a tuition discount based upon final GPA. Students who complete the MassTransfer block of courses will satisfy the core requirements at MCLA, other than the capstone course. Completion of the 34 credits in the MassTransfer block must be indicated on the sending institution's official transcript.

Students should contact the Office of Admission for more information. A complete description of MassTransfer and a list of approved programs is available at: www.mass.edu/masstransfer/ (<http://www.mass.edu/masstransfer/>).

International Students - Application Requirements

International students studying or residing outside of the U.S. may apply to MCLA as a full-time student in a degree program by submitting the following documents:

- The Common Application.
- Official secondary school transcript and/or college transcripts translated into English and formally evaluated
- English Language Test Results: Duolingo English Test (<https://englishtest.duolingo.com/applicants/>) (minimum 100) or TOEFL (<https://www.ets.org/toefl/>) (minimum 79 on iBT or 550 on paper) or IELTS (<https://www.ielts.org/en-us/>) (minimum 6.0) or PTE (<https://pearsonpte.com/>) (minimum 50)
- Letter of Recommendation
- Personal Statement/Essay (250-500 Words)

International applications must be submitted by March 1st to be considered for the fall semester.

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 admission 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 admission application. Suspended students must meet specific criteria and complete courses outside of MCLA to be considered for readmission.

Part-Time Day or Evening Enrollment

Students can attend MCLA as full-time (12 credits or more), or as part-time (fewer 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.

BILLING INFORMATION

www.mcla.edu/studentaccounts (<http://www.mcla.edu/studentaccounts/>)

(413) 662-5230

studentaccounts@mcla.edu

Billing

Students are billed on a semester basis. Bills are due by the printed bill 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. Non-payment may also result in being dropped from course work. The College accepts cash, check, or you may pay online with a credit card at www.mcla.edu/studentaccounts (<http://www.mcla.edu/studentaccounts/>). The College also offers a monthly payment plan. For more information about this service please contact Student Accounts Office.

Insurance

For any student that is three-quarter time or more, mandatory health insurance will appear as a charge on the student bill. Waiver or enrollment is completed on the Student Accounts website.

New England Regional Student Program

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

- To qualify, you must be a resident of Connecticut, Maine, New Hampshire, Rhode Island, or Vermont; be a U.S. Citizen or permanent resident; and be enrolled full-time. You may also obtain additional information by visiting www.nebhe.org/tuitionbreak (<https://www.nebhe.org/tuitionbreak/>).
- New York residents are also eligible for this special tuition rate based on being a resident of New York; being a U.S. Citizen or permanent resident, and being a full-time student.

Tuition and Fees

For information regarding current tuition and fees, please go to www.mcla.edu/studentaccounts (<http://www.mcla.edu/studentaccounts/>)

FINANCIAL AID INFORMATION

www.mcla.edu/Aid (<http://www.mcla.edu/Aid/>)

(413) 662-5219

finaid@mcla.edu

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

Financial Aid

Students are awarded financial aid according to need. Applicants who meet the College's published financial aid deadlines will receive priority consideration. Although financial aid programs operate under specific federal and state guidelines, every effort is made to consider each student's particular family financial situation. To apply for financial aid, complete a Free Application for the Federal Student Aid (FAFSA) online at www.FAFSA.gov (<http://www.FAFSA.gov>). A copy of the family's prior year (or two year's prior) IRS federal income tax transcript may be required for verification purposes. Consideration of eligibility for financial aid is made when these documents have been received and the student has been accepted to the College. For information regarding financial aid loans, grants, scholarships or work study programs, please refer to the Financial Aid website at www.mcla.edu/Aid (<http://www.mcla.edu/Aid/>) or contact the Financial Aid Office.

Refund Policy

Withdrawal prior to the first day of classes (official opening), a student receives a refund of 100 percent. All refunds for withdrawals after the start of classes are determined on a pro-rata basis up to the 60 percent point of the semester. Pro-rata refunds are calculated by determining the percentage of the semester that has been completed up to and including the official date of withdrawal. Based on this calculation, the College determines the amount of financial aid that is unearned and is responsible for returning any portion necessary to the appropriate financial aid programs. Repayment is made to the Federal programs in the following order: Federal Direct Unsubsidized Loan, Federal Direct Subsidized Loan, Federal 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 that 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 Office of the Registrar. See leave of absence/withdrawal at end of next section.

VETERAN INFORMATION

[mcla.edu/administration/registrar/veterans-information/index](https://www.mcla.edu/administration/registrar/veterans-information/index) (<https://www.mcla.edu/administration/registrar/veterans-information/>)

(413) 662-5216
registrar@mcla.edu

Information for MCLA Students who are United States Armed Forces Veterans, Active Duty, Selected Reserve, National Guard, or their Dependents

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill> (<https://www.benefits.va.gov/gibill/>).

Students are encouraged to identify their veteran status with the Registrar's Office, Eldridge Hall Quad Level.

The Registrar's Office certifies eligibility for tuition benefits with the U.S. Department of Veterans Affairs. Benefits can come from one of the following sources:

- Massachusetts Categorical Tuition Waiver
- The Post 9/11 GI Bill® (Chapter 33)
- Montgomery GI Bill® Active Duty (MGIB-AD) (Chapter 30)
- Veteran Readiness and Employment (VR&E)(Chapter 31)
- Montgomery GI Bill® Selected Reserve (MGIB-SR) (Chapter 1606)
- Veterans' Educational Assistance Program (VEAP) (Chapter 32)
- Chapter 35 Survivors' and Dependents' Educational Assistance (DEA) Program

In compliance with the Veterans Access, Choice, and Accountability Act of 2014, qualifying veterans and dependents will be charged tuition and fees at the rate for in-state students.

The Veterans Access, Choice and Accountability Act of 2014 (codified at 38 U.S.C. 3679) has been amended by Section 1005 of Public Law 116-315, the Johnny Isakson and David P. Roe, M.D., Veterans Health Care and Benefits Improvement Act of 2020, which modifies 38 U.S.C. 3679(c).

The amendment requires that for all courses, semesters, or terms beginning after August 1, 2021, public institutions of higher education must charge qualifying veterans, dependents and eligible individuals tuition and fees at the rate for in-state residents.

In compliance with 38 U.S.C. 3679(c), as amended, the following individuals will be charged the in-state resident rate:

- A veteran using educational assistance under either Chapter 30 (Montgomery GI Bill® – Active Duty Program), Chapter 31 (Vocational Rehabilitation) or Chapter 33 (Post-9/11 G Bill), of 38 U.S.C. who lives in the state in which the institution is located (regardless of his/her formal state of residence).
- Anyone using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. § 3319) who lives in the state in which the institution is located (regardless of his/her formal state of residence).
- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same institution. The person

must be using educational benefits under Chapter 30, Chapter 31 or Chapter 33 of 38 U.S.C.

- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in the state in which the institution is located (regardless of his/her formal state of residence).

In compliance with the Valor Act of 2012, the Registrar's Office evaluates potential college credit for military training programs, college courses taken while on active duty, and various examination programs. MCLA awards college credit based on the recommendations provided by the American Council on Education, DANTES, and our own Experiential Credit Program. Students are encouraged to contact the Registrar's Office for more information.

In compliance with the Veterans Access, Choice, and Accountability Act of 2014, qualifying veterans, dependents, and eligible individuals will be charged tuition and fees at the rate for in-state students. Additionally, in compliance with the Veterans Access, Choice, and Accountability Act of 2014, individuals using education assistance under Chapter 31, Vocational Rehabilitation and Employment (VR&E) will be charged the in-state residential rate.

In compliance with the Veterans Benefits and Transition Act of 2018, MCLA does not penalize veterans and dependents using Chapter 31 and Chapter 33 benefits when the VA is late making payments by preventing these students from enrolling, charging additional late fees, requiring alternative sources of funding, or denying access to school resources. Qualifying students should submit their Certificate of Eligibility or Statement of Benefits before the first day of classes.

THE UNDERGRADUATE EXPERIENCE

Academic Policies & Information

Academic Policies - For detailed information pertaining to current academic policies, please refer to www.mcla.edu/registrar (<http://www.mcla.edu/registrar/>).

Student Handbook - To view a copy of MCLA's Student Handbook, please go to www.mcla.edu/info-for/current-student (<https://www.mcla.edu/info-for/current-student/>).

Grading

Grading System – Institutional credit is graded on a quality point system based on the following scale:

Letter Grade	Quality Points
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0

Listed below are other grade notations that may appear on student records. These grades are not used in computing the quality point average.

- P, PS = Pass*
- I = Incomplete*
- NP = No Pass*
- NR = Not Reported*
- AU = Audit*
- PC = Pass Continue*
- U = Unsatisfactory*
- W = Withdrawal*
- WX = Withdrawal from the College*

**Not reflected in grade point average*

Transfer Credit – Credit earned at other accredited institutions and applied toward degree programs at MCLA is awarded based upon equivalency and an earned grade of "C-", or higher for undergraduate credit; and a grade of "B", or higher for graduate credit. Transfer credit, MCLA requirement waivers, and experiential credit/prior learning are indicated on the record with a grade of "T" and are not included in the grade point average.

Grade Point Average - The grade point average is a numerical indication of the student's academic achievement. It is the quotient of the total quality points earned divided by the total credits attempted for all

courses in which grades A through F were received. No quality points are assigned to notations AU, I, NR, NP, P, PC, PS, T, U, W or WX.

Transcripts

Visit www.mcla.edu/registrar (<https://www.mcla.edu/registrar/>) for information and instructions on ordering official transcripts. No transcript will be issued without the student's written request. An official transcript bears the College seal. Unofficial transcripts can be accessed and printed by students using Self-Service Banner.

Incomplete Contract/Grade Policy

The grade of Incomplete is a temporary grade which may be reported only when a portion of the assigned work, as clearly indicated in the course outline/ syllabus, has not been completed because of the necessary absence of the student or other reason equally satisfactory to the instructor and then only when the instructor judges the work already done by the student to be of passing quality.

The obligation rests with the student to request an incomplete. If the instructor approves the request, the instructor and student will sign an Incomplete Contract specifying the nature of the course work to be completed before the deadline specified in the contract.

The paperwork must be completed and submitted to the Registrar before the incomplete grade can be recorded.

The course work must be completed by a date to be determined by the instructor, said date not to exceed six weeks after the start of the following semester. The "I" is then changed to an appropriate permanent letter grade, or a grade of "F".

Grades of "I" disqualify a student for Dean's List designation.

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 to not less than:

1. 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
2. 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 (p. 23))

Course Numbering System

Courses are numbered according to the code below. Courses from 100-299 are lower division courses. Courses number 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 First-year/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 the 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.

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 handles reported violations of this policy. The process is detailed in the Academic Appeals Policy.

Academic Appeals Policy

Jurisdiction

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

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 their decision, explaining in detail their 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 their decision, recommending support or denial of the case decision within one week of meeting with the student. If a decision or resolution acceptable to the student is not reached:
- All materials will be forwarded to the Dean of Academic Affairs who will read and discuss all the statements with the student and other parties.
- The Dean will forward all information to the Registrar. Meetings of the Academic Appeals Committee will be called as needed by the Registrar. Requests for a hearing before the Academic Appeals Committee must include written statements from all parties as outlined above. Such requests must be made to the Registrar within thirty days of initiating the appeal.

In cases involving appeals of a course grade a student has one month into the following semester to initiate an appeal relating to grades earned in the regular Fall or Spring semesters. In all other cases (e.g. Summer) the student has one month after receipt of the grade to initiate an appeal through the aforementioned channels. No grade appeals can be made after the above deadlines.

Procedures for Academic Suspension

In cases involving academic suspension, students wishing to be readmitted must appeal in writing by the date specified in the student's suspension notice. Forms explaining suspension appeal will be sent to the student at the time of notification.

- Students will submit WRITTEN appeals ONLY.
- The Academic Appeals Committee has the authority over enrollment conditions, including, but not limited to, mandating course selection for students and mandating the number of credits taken per semester.

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

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

A student academically suspended from MCLA more than twice may appeal and may be eligible for readmission at the discretion of the Academic Appeals Committee.

Appeal Procedures - Academic Honesty

Upon an occurrence of alleged academic dishonesty, the instructor may exercise their discretion in imposing a sanction. The instructor may further file charges with the Academic Appeals Committee against the student if they believe that additional sanctions would be appropriate.

The instructor must notify the Registrar in writing of any occurrence of academic dishonesty whenever they have imposed sanctions. Such notification shall include the student's name, course title, date of occurrence, type of dishonesty, sanction(s) being imposed, and any further action requested. This notification shall be effected within 14 days after discovery of the incident. A copy of said notice shall be sent to the student involved, including the charges made against the student and the grounds, if proven, that would justify failure or other academic sanctions.

The Registrar maintains a log of reports of academic dishonesty. The Registrar must refer reports of second and/or subsequent offenses of academic dishonesty for committee action.

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

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

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

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

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

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

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

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

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

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

If a student is dismissed for academic dishonesty, the student's transcript will state that the student was dismissed for academic dishonesty and will indicate the date on which the student was dismissed. The student may petition the Vice President of Academic Affairs five years after the date of dismissal to have this statement removed from their academic transcript.

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

A student who has been dismissed from the college for academic dishonesty may appeal for readmission. The Office of Academic Affairs or its designate may determine additional conditions of readmission.

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

Hearing Procedures

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

Either party to a grade or academic honesty appeal may testify on their own behalf.

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

The student has the option to stay and hear the testimony of the faculty member and any other witnesses. The student will then be given an opportunity to respond to the testimony of those witnesses.

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

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

Committee Membership

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

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

Membership of the committee hearing Grade Appeals and/or Academic Dishonesty Appeals shall consist of all members listed above as well as two students elected by the Office of Student Affairs. If necessary, other appropriate students will be selected by the Registrar.

Voting Procedures

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

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

Voting will be by secret ballot.

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

Reports of the Committee Decisions

In all cases the Committee's recommendations along with all pertinent documents will be forwarded to the Vice President of Academic Affairs

for their recommendation. The Committee's and the Vice President's recommendations will be forwarded to the President for final approval. If requested, the President will provide written rationale to either party involved in the case.

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

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

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

Academic Standing Policy

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:

- Academic Good Standing
 - 2.000¹ or above
- Academic Probation
 - 0-30 credits² - 1.500-1.999¹
 - 31-75 credits² - 1.750-1.999¹
 - 76 and above credits² - no probation
- Academic Suspension
 - 0-30 credits² - under 1.500¹
 - 31-75 credits² - under 1.750¹
 - 76 and above credits² - under 2.000¹

¹ MCLA Cumulative GPA

² Earned Credits, including 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).

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 Appeal must adhere to certain conditions designed to promote academic success. These conditions may include:

- Course load of not more than 15 credits;
- Academic schedule changes to allow repeat courses;
- Meetings with an academic advisor to complete an Academic Success Plan that will monitor student progress;
- Attendance at academic success workshops (e.g. study skills, time management, etc.); and
- 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 departments or activities have higher standards).

Academic Suspension

In cases involving academic suspension, students wishing to be readmitted must appeal in writing by the date specified in the student's suspension notice. Forms explaining suspension appeal will be sent to the student at the time of notification.

Students will submit WRITTEN appeals ONLY.

The Academic Appeals Committee has the authority over enrollment conditions, including, but not limited to, mandating course selection for students and mandating the number of credits taken per semester.

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

- At least six 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 Registrar or their 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 of the Office of Academic Affairs or its designate, based on the student's overall record.

A student academically suspended from MCLA more than twice may appeal and may be eligible for readmission at the discretion of the Academic Appeals Committee.

Class Attendance Policy

Students are expected to attend all of their classes. They must also be aware of course requirements. In the event of planned absences, students must notify instructors in advance. In the case of unplanned absences, students should notify their instructors as soon as possible. In both cases, students will work with instructors to craft a plan to make up

the work in a manner that satisfies the learning objective in a reasonable timeframe. Students who expect to be absent from classes for more than three class periods should contact the Center for Student Success and Engagement (CSSE) for help notifying their instructors.

Eligible Absences

Absences of students from scheduled classes will be considered excused for the following reasons:

- Participation as a representative of the College in a scheduled intercollegiate athletic event. It will be the responsibility of the athletic department to notify instructors of the student's participation and absence in advance of the anticipated absence.
- Participation as a representative of the College in a scheduled intercollegiate club competition or professional/academic conference, travel courses, or field trips scheduled as part of a course. The club must be a recognized campus club. It will be the responsibility of the club advisor or the sponsoring academic/administrative department to notify the student's instructors of the student's participation and absence in advance of such absence.
- Health and/or disability-related absences, or absences resulting from other extenuating circumstances, for which a valid reason is presented. It is the faculty member's decision when verifying the validity of a health and/or disability-related excuse to determine if it is acceptable. In the case of an instructor holding concerns or feeling unqualified to make a correct judgment about a student's absence, the Dean of Academic Affairs will make a determination in consultation with the Dean of Student Success and Engagement.
- Any student of the College who is unable, because of his or her religious beliefs, to attend classes or to participate in any examination, study or work requirement shall be excused from any such examination or work requirement, and shall be provided with an opportunity to make up such examination, study or work requirement, provided that it shall not create an unreasonable burden upon the College

Student Appeals

If a student believes their grade has been incorrectly penalized as a result of an absence, they may pursue an appeal through the College's existing undergraduate grade appeal policy.

Off Campus Study Policy

Students at MCLA may enroll in coursework at other accredited institutions concurrent with their enrollment at MCLA or during semesters they may be away from the College (e.g. study abroad or domestic study away programs). All such course enrollments must be approved in advance by the student's major department and the Registrar using the Request for Off-Campus Study Approval form (or the Request for Study Away Course Approval form).

Consistent with MCLA's transfer credit policy, students receive equivalent credit for courses in which a grade of C- or above, or its equivalent in the case of study abroad courses, is earned. Transfer grades are not included in the student's cumulative grade point average at MCLA.

This policy also applies to students who plan to take courses off campus while on leave from MCLA or who are withdrawn from the College and are planning to apply for readmission.

Credit for Learning Experiences Outside of MCLA

The College recognizes that significant learning occurs outside the formal academic experience at MCLA, through community activities, military

service, or other study. Students may receive credit for such experiences through a number of programs that are detailed below.

Standardized Tests

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

International Baccalaureate (IB) Program

The 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. MCLA 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.) For more information, please contact the Registrar's office at 413-662-5216 or registrar@mcla.edu.

Advanced Placement (AP) Program

Sponsored by the College Entrance Examination Board (CEEB), the AP program offers students the opportunity to earn college credits. The standardized AP exam usually is taken upon completion of a specific course of study in high school. The College will grant course credit for an AP score of 3 or higher. An official copy of the CEEB report must be sent to the MCLA Office of Admission for evaluation. For more information, please contact the Registrar's office at 413-662-5216 or registrar@mcla.edu.

College Level Examination Program (CLEP)

Sponsored by the College Entrance Examination Board (CEEB), the College Level Examination Program provides standardized tests across a diverse array of college-level courses. The Center for Student Success and Engagement (CSSE) maintains a list of the MCLA course equivalents (core and departmental) for CLEP exams. For each CLEP examination awarding 3 or 6 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, Spanish 66. For more information, please contact CSSE at 413-662-5400 or csse@mcla.edu (CSSE@mcla.edu).

Prior Learning Credit Policy

Matriculated students of MCLA may earn up to 15 credits for learning outside of college. To apply for credit for prior learning, students create and submit portfolios documenting life experiences (work, community, military service, etc.). Portfolio content must demonstrate achievement of learning outcomes for specific courses in the MCLA curriculum. All experiences referenced in the portfolio must predate enrollment at MCLA. Credits awarded for prior learning are regarded as transfer credits. Prior learning credits awarded will not be included in the 45 MCLA credits required for graduation.

Any student seeking credit for prior learning via portfolio should initiate planning no later than achieving 60 credits towards graduation at MCLA, and plan to submit the portfolio for credit review no later than achieving 90 credits towards graduation. To initiate the process, the student must contact the Associate Dean of Graduate & Continuing Education (DGCE) for consultation on the application process.

After speaking with the Associate Dean, the student must submit an application outlining the plan for the portfolio, a resume, a list of potential course matches from the MCLA course catalog, and a 2-3 page summary of credit-worthy experiences. The application must be submitted to the

Associate Dean of DGCE at MCLA. The student is required to consult with appropriate department chairs to confirm the relevance and to establish the learning objectives of the courses they propose to substitute for their prior learning experiences.

The main elements of the portfolio include the application, narrative, resume, and documentary evidence. The portfolio must include a substantial, reflective narrative describing the experiences, and relevant learning, and show how these match the learning outcomes of courses selected from MCLA's course catalog. Appropriate documentary evidence is required to support the student's explanation of the overall value of the experience and the specific skills, abilities, and knowledge gained.

Any student seeking to submit a portfolio for prior learning credit must enroll in MCLA's Experiential Credit Portfolio Preparation and Writing (ENGL 395) course for support and assistance with portfolio preparation. ENGL 395 is a 3-credit course the student must complete successfully before the student can submit the portfolio for credit review. A student may request waiver from the ENGL 395 requirement if recommended by all department chairs related to the proposed submission. Waiver is based on the determination of the chairs' assessment of student's ability to present a successful portfolio, as measured by demonstrating a detailed understanding of how learning was applied later, and the implications of learning in new and novel situations.

The student must submit the completed portfolio to the Associate Dean for DGCE. A per-credit fee is assessed at the time of submission. The Associate Dean transmits the portfolio to the appropriate academic department for faculty review. The final decision on the recommendation for the awarding of credit is made by the Dean of Student Success and Engagement.

The College has established due dates for portfolio submission that are posted on the DGCE website. Portfolios received by the due dates will be reviewed, evaluated, and returned within 8-12 weeks of receipt. Portfolios received after the due dates may take longer than 12 weeks to review and return.

Students who do not receive credit, or who receive fewer credits than proposed, may revise their portfolios and resubmit for an additional review. Finally, credit for prior learning is never guaranteed. Students should work with their advisors to develop alternate degree completion plans in cases where credit awards are lower than for which they applied.

Leave of Absence Policy

A leave of absence up to two semesters may only be granted to students who are matriculated, in good academic standing, and in good financial standing. Students taking a leave of absence are expected to discuss this decision with their academic advisor and work with their advisor to determine appropriate steps to complete their degree program.

Students must contact the Office of the Registrar if they are not returning from their leave as anticipated (by December 1 for the Spring semester and by August 1 for the Fall semester). A student taking a one-semester leave of absence may extend the leave for a second semester through a written request to the Registrar.

Students who do not return within two semesters (two semesters without grades) will be withdrawn from the College and will need to apply for readmission.

Students processing a leave prior to the last day of classes will have a notation of WX on their record for that semester.

Students with financial aid who take a leave of absence will be treated as a withdrawn student for financial aid purposes, based on the College Refund policy calculation. Students who have borrowed through a state and/or federal loan program will be required to complete the online exit counseling for the appropriate programs. Student loan repayment will begin six months after the date of the leave from the College. Students should check with their loan services for deferment eligibility once they return to school. When a student returns from leave, they may have to complete a satisfactory academic progress appeal for financial aid, depending on when their date of leave occurred. Students will be considered for aid based on the funds available at the time of their return.

Residential students: Please note that the Residency Occupancy Agreement states that a resident student who withdraws from the College during the period covered by that Agreement must turn in keys, remove belongings, and arrange for a room inspection within 24 hours from the effective date of the withdrawal/leave. Students processing a leave with an effective date on a weekend will have their meal plan deactivated the Friday before the effective date.

Students are encouraged to meet with Student Financial Services to address any questions related to the leave of absence.

Withdrawal from Course and College Policy

W - Withdrawal from a Course - Indicates withdrawal from a course after the end of the drop period and up to 50% completion point of the course. Courses that do not run the full semester will have withdrawal deadlines that adhere to the 50% completion point. It is the responsibility of the student to be aware of all deadlines for withdrawal. No withdrawals for individual courses may be made past the withdrawal deadline.

Students leaving the College must complete a Withdrawal from College form and a brief online survey. Students officially withdrawing before the first day of final examinations will receive a notation of WX in all courses. After this time, students will receive a final grade in all courses.

In adherence to best reporting practices, if a student withdraws from all individual courses during a semester, the student's record will reflect that they have withdrawn from college and must apply for readmission. This is necessary due to financial aid implications and National Student Clearinghouse reporting.

Residential Students: Please note that the Residency Occupancy Agreement states that a resident who withdraws from the College during the period covered by that Agreement must turn in keys, remove belongings, and arrange for a room inspection within 24 hours from the effective date of the withdrawal/leave. Students processing a withdrawal with an effective date on a weekend will have their meal plan deactivated on the Friday before the effective date.

Students are encouraged to meet with Student Financial Services to address any questions related to withdrawals.

Student Academic Records Retention

The MCLA Student Records Office complies with all applicable laws and regulations, including those of the Commonwealth of Massachusetts and the U.S. Department of Veterans Affairs, in the retention, management, and destruction of student academic records.

Academic Services

Center for Student Success and Engagement (CSSE)

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

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

- Academic Support and Disability Resources (p. 22)
- Advising Services (p. 23)
- Career Services (p. 23)
- College Readiness and Success Programs (p. 23)
- Success Coaching (p. 23)
- Undeclared Program (p. 23)

ACADEMIC SUPPORT AND DISABILITY RESOURCES

The Office of Academic Support and Disability Resources welcomes students in the areas of academic support and accommodations for students with disabilities.

Academic Support is committed to offering students various academic resources to support students' goals. From first year to graduate students, all are encouraged to seek assistance in improving their academic skills. Academic Support coordinates the following:

- **Small group tutorials** led by qualified peers are available in many classes. Requests are submitted during the first eight weeks of a semester. If a student, after consultation with their instructor, continues to have difficulty in a course, it is appropriate to request a tutorial. Students can request a tutor online through Self-Service Banner.
- **Supplemental Instruction (SI)** is provided to increase student performance in traditionally difficult classes. SI Leaders are upper-class students who have previous experience in the targeted courses. Working in collaboration with faculty and Academic Support, they help students develop study strategies to enhance understanding of course content. SI Leaders attend class with the students and run learning sessions on a weekly basis to support academic success in the course.
- **Study Skills Workshops** are offered throughout the semester and include time management and organizational strategies.
- **Academic Skills Center** boosts excellent study skill resources as well as 1:1 consultation by appointment with academic support staff. For additional information, please see: [mcla.edu/student-services/academic-support](https://www.mcla.edu/student-services/academic-support) (<https://www.mcla.edu/student-services/academic-support/>).

For more information on Academic Support, please see: [mcla.edu/academicsupport](https://www.mcla.edu/academicsupport) (<https://www.mcla.edu/student-services/academic-support/>).

Disability Resources works with students individually to determine accommodations that are appropriate and reasonable. If a student qualifies for disability services, an individualized accommodation plan is developed to address documented needs and facilitate equal access. Our philosophy and programs assist eligible students in fostering

independence in college to the fullest extent possible, embracing self-advocacy and developing skills to transition and succeed in their careers. For further information or to inquire about accommodations, please call 413-662-5314 or visit the website at [mcla.edu/student-services/disability-resources/](https://www.mcla.edu/student-services/disability-resources/) (<https://www.mcla.edu/student-services/disability-resources/>).

Advising Services

Advising Services is the primary academic resource on campus to empower students to make informed academic, career and life decisions. Staff assist students with general academic program information (including the core curriculum), registration and schedule adjustment information, leadership opportunities, and problem solving for general academic difficulties. All undeclared students receive academic advising with staff in Advising Services. For more information, please go to: [mcla.edu/advising](https://www.mcla.edu/student-services/academic-support/advising/) (<https://www.mcla.edu/student-services/academic-support/advising/>).

Career Services

Career Services provides students and alumni with the necessary professional development tools and skills to prepare for any post-undergraduate transition. The Office of Career Services assists with the decision-making process in the areas of career exploration and discovery, graduate school preparation, and job searching. Career Services also facilitates the development of significant connections between students/alumni and employers. Through partnering with the academic departments, Career Services strongly encourages and promotes the value of internships as a demonstrable way for students to prepare for future employment opportunities. By working closely with the Office of Institutional Advancement and Alumni Relations, Career Services introduces current students to alumni who are able to share their professional experiences. These networking opportunities offer valuable insight into various career paths and industries. For more information, please go to: [mcla.edu/career-services](https://www.mcla.edu/career-services) (<https://www.mcla.edu/student-services/career-services/>).

College readiness and success programs

College Readiness and Success Programs produce outreach programs and services designed to increase MCLA student readiness for college, careers and life after college. These programs include activities and events uniquely designed for MCLA students. College, career and life readiness topics including: academic planning, goal setting, technology skills, academic success strategies, effective communication and presentation skills, career preparation and planning, and success strategies for the workplace. The College Readiness and Success Programs also serves as liaison for new student initiatives including: orientation, First Year Experience (FYE) course co-curricular development, new student academies, and engaging living learning communities. For further information about College Readiness and Success Programs, please call 413-662-5400.

Success Coaching

Applying a holistic approach, CSSE success coaching helps committed MCLA students develop skills, behaviors and habits that contribute to student success in college. These areas include college, career and life readiness skills such as: academic and career goal setting, learning strategies, time management, organization, self-regulation and self-efficacy. The Success Coaching program is designed to promote a positive and successful learning experience for MCLA students. For further information about CSSE Success Coaching, please call 413-662-5400.

Undeclared Program

The Undeclared Program is designed to support students who have not declared a major. The program engages students with a variety of experiences designed to encourage informed decisions when choosing a major. These include working with academic advisors and exploring academic and career services. For additional information, please see: [mcla.edu/student-services/academic-support/undeclared-at-mcla](https://www.mcla.edu/student-services/academic-support/undeclared-at-mcla) (<https://www.mcla.edu/student-services/academic-support/undeclared-at-mcla.php>).

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.

Student Support Centers

The Writing Studio

The Writing Studio is a space where writers collaborate and create. Trained peer Writing Associates will collaborate with writers at any stage of the writing process: from understanding assignments and brainstorming ideas to planning, revising and polishing final drafts. Students, faculty and staff can sign up for a one-hour in-person or online writing appointment at [mcla.edu/writingstudio](https://www.mcla.edu/student-services/academic-support/writing-studio/) (<https://www.mcla.edu/student-services/academic-support/writing-studio/>).

The Math Help Drop-In Center

The Math Help Drop-In Center is a friendly, judgment-free place where any MCLA student (and even faculty/staff!) can get help with any math question from any course, by trained peer tutors who will help you build your skills and confidence in math, no matter where you're starting from. No appointment needed - come by Room 101 in the Feigenbaum Center for Science and Innovation, and make sure you check out our website for helpful tips and our current hours of operation: [mcla.edu/mathcenter](https://www.mcla.edu/student-services/academic-support/math-drop-in/) (<https://www.mcla.edu/student-services/academic-support/math-drop-in/>).

Experiential Learning Opportunities

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 GPA of 2.0 must be achieved in this coursework. To qualify for CAPS, a student must first earn at least 30 credits at MCLA and have a minimum GPA of 2.0. For further information about CAPS, please contact the Registrar's Office at 413-662-5216 or registrar@mcla.edu.

Cross-Enrollment

Council of Public Liberal Arts Colleges (COPLAC)

The Council of Public Liberal Arts Colleges (COPLAC) offers a limited number of shared online courses using synchronous and asynchronous distance technology. MCLA students may apply to take online courses at a COPLAC institution if such courses address unmet student and/or program needs. Students must have a full-time schedule at MCLA exclusive of the COPLAC course for financial aid purposes. For additional

information, please contact the Registrar's Office at 413-662-5216 or registrar@mcla.edu.

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. Students must have a full-time schedule at MCLA exclusive of the off-campus course for financial aid purposes. Interested students should consult the Registrar's Office at 413-662-5216 or registrar@mcla.edu.

First-Year Experience (FYE)

The "First-Year Experience" is a strategically integrated approach to help support and prepare students for the transition from high school to college. The MCLA Onboarding Process, Orientation, Academies, the First 8 Weeks programs, and the First-Year Seminar (FSEM) course are designed to enhance meaningful participation in academics and co-curricular social life. This experience will foster students' enthusiasm for learning and create a sense of belonging in the MCLA Community.

FIRST 8 WEEKS

The First 8 Weeks program is designed to provide students with the skills and resources needed to be successful inside and outside the classroom. Students who participate in these programs will be academically supported, connected to their major, life, and career, and involved in co-curricular life on campus.

FIRST-YEAR SEMINAR (FSEM)

All first-year students will take a First-Year Seminar (FSEM) course. These student-centered courses will introduce first-year students to the rigors - and excitement - of college-level inquiry and to the principles of integrative thought, while also leaving time to discuss learning strategies central to academic success.

Independent Study

Independent Study is advanced-level coursework 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 the student's grasp of their subject field, and 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 are to be developed jointly by the instructor and the student. 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 evaluate whether the student is able to work independently and will benefit scholastically from such a study.

Students are limited to a maximum of 12 credit hours of independent study and independent research credit, combined. Independent Studies may be taken for variable credit, and require approval of the Independent Study instructor, Chair of the credit-granting department, student's advisor, and Dean of Academic Affairs. Application for an Independent Study requires that a student be a matriculated junior or senior, with the exception of freshman and sophomores whose readiness is specifically demonstrated on the Independent Study Application.

The amount of credit to be earned in an 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 cited in the college catalog is designed to provide for this.

Internships

Characteristics of Professional internships

An internship is a new learning experience, for credit, provided for selected and specially prepared individuals who aspire to become professional practitioners, apply their academic skills and knowledge to work environments, and explore vocations. It is an experience of "reality" in which the knowledge, the skills, and the judgment of the intern are put into play in solving problems which characterize professional practice.

Departmental Responsibilities

Each academic department may establish an internship course according to the College-wide policies for new course development. Once established, students may apply to take the course for credit under the guidance of a faculty sponsor from the credit-granting department, who will serve as the instructor of record for the course.

Faculty Sponsor

A faculty sponsor will be responsible for evaluating individual student readiness for the experience; maintaining regular communication with both the student and external organization during the internship, in order to identify and address challenges as they arise; and evaluating student success at the end of the internship.

Operational Guidelines

- Internship opportunities are reserved for matriculated juniors and seniors, with the exception of freshman and sophomores whose readiness is specifically demonstrated on the internship application. Students must also have a minimum GPA of 2.0. Academic departments have the option to require higher GPAs and/or to restrict enrollment based on class status.
- No more than fifteen (15) credit hours of internship can count toward a degree. Programmatic exemptions to the credit hour limit require approval of the governance process.
- A minimum of forty-five (45) hours of on-site experience are required for each credit hour.
- The internship must be a new learning experience. If the internship is within an organization or location where the student has previous experience, the application must demonstrate how the intern position differs from previous experience.
- The credit-granting department may establish reasonable additional criteria for accepting students as interns, and also have the option of offering the internship on a pass/fail basis.
- An internship application, completed in consultation with the faculty sponsor, will require the following information:
 - The educational and experiential objective of the internship
 - The on-site work to be completed during the internship
 - The number of hours of on-site work
 - The number of credits requested and method of grading
 - Any information regarding prior experience relative to the internship
 - A plan for evaluating the internship experience

- The completed proposal must be approved by the student, faculty sponsor, Chairperson of the credit-granting department, student's academic advisor, and the Dean of Academic Affairs.
- Each internship must contain a writing component, evaluation by the site director/supervisor, and a final evaluation by the faculty sponsor.

Honors Program

One of the ways MCLA explores its Liberal Arts mission is to foster a cohort of passionate students - students who are intellectually engaged with each other and the world, who love books, writing, and learning for their own sakes, whose curiosity ranges beyond conventional disciplinary boundaries, and who crave intellectual challenges. The Honors program aims to offer a home for such students. The idea behind Honors at MCLA is not that you are undertaking more work, but that the work you undertake is more interesting. Learn more at [mcla.edu/honors](https://www.mcla.edu/academics/undergraduate-education/honors-program/) (<https://www.mcla.edu/academics/undergraduate-education/honors-program/>).

The Washington Center

Juniors and seniors may participate in an intensive internship program available during the summer or academic semesters, combining coursework, career workshops and networking, and seminars with an internship in Washington, D.C. For more information, contact the Registrar's Office at 413-662-5216 or registrar@mcla.edu, or visit www.twc.edu (<https://www.twc.edu>).

National Student Exchange

Through the National Student Exchange (NSE), students can study for one semester or up to one calendar year at one of nearly 200 participating colleges and universities within the United States and its territories (Guam, Puerto Rico, U.S. Virgin Islands) and Canada. For more information, contact the Registrar's Office at 413-662-5216 or registrar@mcla.edu, or visit www.nse.org (<https://www.nse.org>).

Study Abroad

Students in all majors have the opportunity to study abroad for a semester or a year. MCLA is affiliated with International Studies Abroad (ISA) by WorldStrides and The Education Abroad Network (TEAN), Center for International Studies Abroad (CIS Abroad), and Semester at Sea. Study abroad programs are available in Europe, Asia, Latin America, Africa, and Australia. For more information, contact the Registrar's Office at 413-662-5216 or registrar@mcla.edu, or visit www.studiesabroad.com (<https://www.studiesabroad.com/>), www.cisabroad.com (<https://www.cisabroad.com/>), or www.semesteratsea.org (<https://www.semesteratsea.org/>).

Travel Courses

MCLA offers travel courses during January and March. Recent trips have included travel to China, England, France, Ireland, Japan, Peru, 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, visit [mcla.edu/academics/undergraduate-education/travel-courses](https://www.mcla.edu/academics/undergraduate-education/travel-courses) (<https://www.mcla.edu/academics/undergraduate-education/travel-courses/>).

Undergraduate Research Program

The Undergraduate Research Program encompasses independent scholarly and creative activity by students in the arts, humanities, and sciences. This program supports students with independent study

opportunities in many disciplines, small research and travel grants, and a dynamic campus-wide Annual Undergraduate Research Conference (URC) for presenting their work. For more information, visit [mcla.edu/academics/undergraduate-education/undergraduate-research/](https://www.mcla.edu/academics/undergraduate-education/undergraduate-research/) (<https://www.mcla.edu/academics/undergraduate-education/undergraduate-research/>).

Graduation Information

Graduation Requirements

- The core curriculum requirements must be completed.
- The requirements for the student's major must be completed (student must be matriculated).
- A minimum grade point average of 2.000 overall and 2.000 in the major and minor program requirements must be earned.
- 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.
- 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.
- A student's final 15 credits of coursework must be completed at MCLA.
- At least 39 of the 120 credits must be in upper-division work (300-500 level).
- Application for graduation must be filed with the Registrar's Office.

Graduation Participation Policy

MCLA requires that students must complete all graduation requirements by the end of the academic year in order to participate in the spring graduation ceremony. In the case of demonstrable circumstance preventing a student's timely completion of all requirements for graduation, exceptions may be granted by the Dean of Academic Affairs, on a case-by-case basis, under the following conditions:

- The student has a minimum GPA of 2.0, and;
- The student's remaining number of untaken classes and/or incompletes does not exceed six credits, or in the case of unfinished lab courses, a maximum of eight credits, and;
- If the student's remaining requirement is student teaching, to be completed in the successive fall semester.
- The Dean of Academic Affairs may choose to grant the exception, provided the student has demonstrated the ability to complete all remaining coursework by August 31, or by the end of the fall semester in the case of student teaching; in exceedingly limited circumstances and at their discretion, the Dean of Academic Affairs may approve an extension of these deadlines to either the end of the following Fall semester or the next offering of the course(s). If additional courses must be taken, student must submit verification of enrollment in summer courses to the Dean before the exception will be granted. If unfinished requirements consist of either Incompletes of non-credit bearing requirements, the student must submit written completion agreements with the supervising faculty member and/or Department Chair to the Dean before the exception will be granted.

Graduation with Distinction

Students of superior academic achievement graduate with distinction according to their quality point average earned at MCLA only. The

following standards will be used for students graduating in the year 2012 and thereafter.

- Summa Cum Laude (3.80-4.00)
- Magna Cum Laude (3.60-3.79)
- Cum Laude (3.30-3.59)

MCLA Scholar Program

A growing number of MCLA students engage in significant independent scholarly work during their undergraduate years with little formal recognition of their achievements. 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 student 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.

Honor Societies and Special Recognitions

ALANA (African, Latino, Asian, Native American)

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

Colors: Kente Cloth

All Academic Scholar Athletes (Athletics)

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

Colors: Gold sash with MCLA and MASCAC insignias

Alpha Chi

Alpha Chi National College Honor Society was founded in 1922 to recognize and promote academic excellence among college and university students of all disciplines, to encourage a spirit of service and leadership, and to nurture the elements of character that make scholarship effective for good. For more information, visit [alphachihonor.org](https://www.alphachihonor.org) (<https://www.alphachihonor.org>).

Colors: Gold Medallion on a Blue and Green Cord

Alpha Lambda Delta (First Year)

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

Colors: Gold, Red, White Cords

Chi Alpha Sigma (National College Athlete Honor Society)

Chi Alpha Sigma recognizes college student-athletes who earn a varsity letter in at least one sport while maintaining a 3.4 or higher cumulative GPA throughout their junior and senior years.

Colors: Bronze Medallion

Delta Mu Delta (Business)

Delta Mu Delta is a business honor society that recognizes and encourages academic excellence of students at qualifying colleges and universities to create a DMD community that fosters the well-being of its individual members and the business community through lifetime membership. The Zeta Zeta chapter of Delta Mu Delta was established at MCLA in 1992.

Colors: Purple, Gold Cords

Phi Alpha Theta (History)

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

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

Pi Gamma Mu (Sociology; Anthropology; Social Work; Child and Family Studies; Criminal Justice; Women, Gender, and Sexuality Studies)

Pi Gamma Mu is the oldest international honor society in the social sciences. Founded in 1924, its mission is to recognize excellence in social science scholarship, nurture leadership, and foster cooperation among its members. The blue and white cords stand for truth and light. The society's insignia represents social science knowledge production to understand and address social problems.

Colors: Blue and White Cords

Pi Sigma Alpha (Political Science)

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

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

feminist perspective in a variety of contexts; and approaches women, gender, and sexuality studies from an interdisciplinary perspective.

Colors: Purple Cords

Psi Chi (Psychology)

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

Colors: Gold and Blue Cords

Rho Pi Sigma

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

Colors: Blue, White Cords

Sigma Pi Sigma (Physics)

Sigma Pi Sigma is the national honor society in physics. Founded in 1921, Sigma Pi Sigma exists to honor outstanding scholarship in physics, to encourage interest in physics among students at all levels, to promote an attitude of service, and to provide a fellowship of persons who have excelled in physics.

Colors: White and Green Cord

Sigma Tau Delta (English)

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

Colors: Red and Black

Student Philanthropy Program

The Student Philanthropy Cords represent a student's dedication and commitment to MCLA through their first philanthropic donation to the College toward their Senior Class Gift or other area of their choice. One of the College's core values is to instill a culture of giving back. Graduates who wear the blue and gold cords during Commencement are showing pride in this Institution and making a difference in the lives of future Trailblazers.

Colors: Blue and Gold Cord

Women, Gender, and Sexuality Studies Minor

This minor explores how gender and sexuality are socially, culturally, and historically constructed, negotiated, and contested; considers the

ACADEMIC PROGRAMS OF STUDY

A

- All College Honors Program (p. 125)
- American Ethnic Studies Minor (p. 128)
- Anthropology Minor (p. 171)
- Art - Design Concentration, B.A. (p. 45)
- Art - Studio Art Concentration, B.A. (p. 45)
- Art History Minor (p. 45)
- Art Minor (p. 45)
- Arts Management Minor (p. 48)
- Arts Management, B.A. (p. 48)

B

- Behavior Analysis Minor (For Non-Psychology Majors) (p. 157)
- Biology - Biotechnology Concentration, B.S. (p. 55)
- Biology - Pre-Medical Professions Concentration, B.S. (p. 55)
- Biology - Pre-Veterinary Concentration, B.S. (p. 55)
- Biology Minor (p. 56)
- Biology, B.S. (p. 56)
- Business Administration - Accounting Concentration, B.S. (p. 63)
- Business Administration - Event & Sport Management Concentration, B.S. (p. 63)
- Business Administration - International Business Concentration, B.S. (p. 64)
- Business Administration - Management Concentration, B.S. (p. 64)
- Business Administration - Marketing Concentration, B.S. (p. 65)
- Business Administration Minor (p. 65)
- Business Administration, B.S. (p. 63)
- Business Information Systems Minor (p. 82)

C

- Chemistry - Biochemistry Concentration, B.S. (p. 68)
- Chemistry Minor (p. 68)
- Chemistry, B.S. (p. 68)
- Child and Family Studies Minor (p. 172)
- Commonwealth Scholar Program (p. 125)
- Communications - Broadcast Media Concentration, B.A. (p. 77)
- Communications - Digital Media Innovations Concentration, B.A. (p. 77)
- Communications - Journalism Concentration, B.A. (p. 77)
- Communications - Public Relations & Corporate Communications Concentration, B.A. (p. 78)
- Computer Science - Bioinformatics Concentration, B.S. (p. 82)
- Computer Science - Business Information Systems Concentration, B.S. (p. 82)
- Computer Science - Electrical Engineering Concentration, B.S. (p. 82)
- Computer Science - Information Technology Concentration, B.S. (p. 83)

- Computer Science - Software Development Concentration, B.S. (p. 83)
- Creative Writing Minor (p. 99)
- Criminal Justice Minor (p. 172)
- Cross-Cultural & Social Justice Minor (p. 129)

D

- Design Minor (p. 45)

E

- Earth Science Minor (p. 104)
- Economics Minor (p. 65)
- Education (p. 84)
- Electrical Engineering Minor (p. 83)
- English - Film Studies Concentration, B.A. (p. 99)
- English - Literature Concentration, B.A. (p. 99)
- English - Writing Concentration, B.A. (p. 100)
- English Minor (p. 100)
- Entrepreneurship Minor (p. 65)
- Environmental Science Minor (p. 104)
- Environmental Studies - Environmental Science Concentration, B.S. (p. 105)
- Environmental Studies - Environmental Sustainability Concentration, B.S. (p. 105)
- Environmental Sustainability Minor (p. 105)

H

- Health and Society Minor (p. 56)
- Health Sciences - Medical Technology Concentration, B.S. (p. 117)
- Health Sciences - Nutrition Concentration, B.S. (p. 119)
- Health Sciences - Pre-Occupational Therapy Concentration, B.S. (p. 118)
- Health Sciences - Pre-Physical Therapy Concentration, B.S. (p. 118)
- Health Sciences - Radiologic Technology Concentration, B.S. (p. 119)
- Health Sciences - Sports Medicine Concentration, B.S. (p. 118)
- Health Sciences, B.S. (p. 117)
- Health Sciences- Pre-Physician Assistant Concentration, B.S. (p. 118)
- History Minor (p. 122)
- History, B.A. (p. 122)
- Honors Program (p. 123)

I

- Information Technology Minor (p. 83)
- Interdisciplinary Studies (Pre-Designed) - American Studies Area of Concentration, B.A. (p. 130)
- Interdisciplinary Studies (Pre-Designed) - Cultural Studies Area of Concentration, B.A. (p. 130)
- Interdisciplinary Studies (Pre-Designed) - International and Global Studies Area of Concentration, B.A. (p. 130)
- Interdisciplinary Studies, B.A. (p. 131)

L

- Leadership Minor (p. 65)
- Literature Minor (p. 100)

M

- Marketing Minor (p. 66)
- Mathematics - Mathematics Education Concentration, B.S. (p. 134)
- Mathematics Minor (p. 135)
- Mathematics, B.S. (p. 134)
- MCLA – Berkshire Community College Biotechnology Articulation Agreement (p. 56)
- Music Minor (p. 142)
- Music Production Minor (p. 142)

P

- Performing Arts - Music Concentration, B.A. (p. 142)
- Performing Arts - Theatre Concentration, B.A. (p. 142)
- Philosophy - Law, Ethics, and Society Concentration, B.A. (p. 145)
- Philosophy Minor (p. 145)
- Philosophy, B.A. (p. 145)
- Physics Minor (p. 149)
- Physics, B.A. (p. 149)
- Physics, B.S. (p. 150)
- Political Science Minor (p. 153)
- Political Science, B.A. (p. 153)
- Psychology Minor Program (p. 157)
- Psychology, B.A. (p. 157)
- Psychology- Behavior Analysis Concentration, B.A. (p. 158)
- Public Health and Community Health Education, B.S. (p. 165)
- Public Health Minor (p. 57)
- Public History Minor (p. 122)

S

- Social Work Minor (p. 172)
- Sociology Minor (p. 172)
- Sociology, B.A. (p. 173)
- Software Development Minor (p. 83)
- Spanish Minor (p. 137)
- Sport Coaching Minor (p. 57)

T

- Teacher Licensure (5-12) (p. 88)
- Teacher Licensure (5-8) (p. 88)
- Teacher Licensure (8-12) (p. 89)
- Teacher Licensure for Early Childhood (Pre-Kindergarten - Grade 2) (p. 89)
- Teacher Licensure for Elementary (1-6) (p. 90)
- Theatre Minor (p. 142)

W

- Women, Gender, and Sexuality Studies Minor (p. 174)

Core Curriculum

MCLA's Core Curriculum prepares students to participate meaningfully in a diverse, complex, and dynamic world by developing intellectual and practical skills that are fundamental to their academic, professional, and personal success. MCLA graduates think critically and creatively. They investigate, analyze, and communicate information to multiple audiences effectively, and they make connections across multiple and various concepts, perspectives, and experiences to address critical issues.

Integrative Core Curriculum Learning Outcomes

Goal: MCLA's graduates are effective communicators who utilize multiple forms of expression to participate in our global community.

1. Students choose appropriate form(s) of expression to effectively communicate with audiences from different backgrounds and perspectives.
2. Students defend their positions making reference to diverse perspectives.

Goal: MCLA's graduates engage in analytical inquiry to address complex problems.

1. Students synthesize contrasting/conflicting information and perspectives to accurately understand problems.
2. Students apply contextually appropriate methods and approaches when analyzing and solving problems.
3. Students make connections across disciplines and personal experience when solving problems.

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Students engage in meaningful self-reflection and evaluation of their own learning and contributions.

Integrative Core Curriculum Requirements

Code	Title	Hours
Integrative Foundational Level		
	Critical Reading, Thinking, Writing	3
	Health and Wellness	3
	Quantitative Reasoning	3
Integrative Content Level		
	Creative Arts	6
	Language, Culture, and Communication	3
	Human Heritage	6
	Self & Society	6
	Science & Technology (Two courses – at least one must have laboratory)	7-8
First Year Seminar (One Integrative Content course will also fulfill Freshman Seminar requirement.)		
Integrative Capstone Seminar		3
Total Hours		40-41

Integrative Foundational Level

Code	Title	Hours
Critical Reasoning, Thinking, Writing		
ENGL 150	College Writing II	
Health and Wellness		
PHED 215	Lifetime Wellness	

Quantitative Reasoning

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

Critical Reasoning, Thinking and Writing Learning Outcomes

Courses designated as Critical Reasoning, Thinking and Writing will meet one or more of the overall Interactive Core Curriculum Student Learning Outcome Goals as noted below.

Goal: MCLA's graduates are effective communicators who utilize multiple forms of expression to participate in our global community.

1. Write in multiple genres using appropriate structure, paragraphing, tone, style, and grammar to respond to a variety of audiences and rhetorical situations.
2. Revise and edit written communication across multiple drafts.

Goal: MCLA'S graduates engage in analytical inquiry to address complex problems.

1. Ethically integrate information from credible sources to answer a research question or construct a problem statement.
2. Research, evaluate, synthesize, critique, and add their own ideas to published sources.

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Comprehend a diversity of texts written for different audiences and purposes

Health and Wellness Learning Outcomes

Courses designated as Health and Wellness will meet one or more of the overall Integrative Core Curriculum Student Learning Outcome Goals as noted below.

Goal: MCLA'S graduates engage in analytical inquiry to address complex problems.

1. Explain how their behaviors and choices intersect with societal factors that contribute to wellness
2. Engage in research and critical evaluation of wellness practices, contexts, and impacts

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Engage in wellness activities incorporating physical activity and mental health
2. Reflect on their own health behaviors and develop a strategy for applying healthy behaviors across their lifespan
3. Place defined aspects of wellness in the context of global and societal issues and concerns

Quantitative Reasoning Learning Outcomes

Courses designated as Quantitative Reasoning will meet one or more of the overall Integrative Core Curriculum Student Learning Outcome Goals in all specified ways enumerated below.

Goal: MCLA's graduates are effective communicators who utilize multiple forms of expression to participate in our global community.

1. Explain information presented in mathematical forms (equations, graphs, diagrams, tables, and words).
2. Convert relevant information into various mathematical forms (equations, graphs, diagrams, tables, and words).
3. Employ an effective format to present quantitative information and contextualized explanations.

Goal: MCLA'S graduates engage in analytical inquiry to address complex problems.

1. Draw appropriate conclusions based on their calculations and analysis of quantitative data.

**Integrative Content Level
Language, Culture, and Communication**

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, Culture, and Communication Requirement.

Entering students who have not met the 4th year level of the same foreign/modern language, will take a Modern Language Placement Test and be placed accordingly. Alternatively, students could elect to begin study of a new language at the first-semester elementary level (101) and subsequently complete the second semester elementary level (102) course in the same language.

Courses designated as Language, Culture and Communication will meet one or more of the overall Integrative Core Curriculum Student Learning Outcome Goals as noted below.

Goal: MCLA's graduates are effective communicators who utilize multiple forms of expression to participate in our global community.

1. Produce verbal questions, answers and statements in the target language
2. Comprehend the target language and react appropriately
3. Read texts in the target language
4. Write correctly in the target language.

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Articulates an understanding of cultural differences in verbal and nonverbal communication and negotiates a shared understanding based on those differences.

Code	Title	Hours
Courses Fulfilling Language, Culture, and Communication Requirement		
FREN 102	Elementary French II	
ITAL 102	Elementary Italian II	
MODL 102	Special Topics in Modern Language	
SPAN 102	Elementary Spanish II	

NOTE: In accordance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act, students with specific learning disabilities (as identified through Disability Resources) will be advised to select an alternative course to fulfill their Language, Culture and Communication 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 cultures 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.

Creative Arts

Courses designated as Creative Arts will meet one or more of the overall Integrative Core Curriculum Student Learning Outcome Goals as noted below.

Goal: MCLA'S graduates engage in analytical inquiry to address complex problems.

1. Articulate the significance of the creative arts, artistic expression and experience in today's world
2. Describe techniques, processes and concepts that creative artists use in their work

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Discuss personal encounters with the creative arts within broader historical and cultural contexts

Code	Title	Hours
Courses Fulfilling Creative Arts Requirement		
CCCA 101	Creative Arts: Methods and History	
CCCA 102	The Art of Madness	
CCCA 110	Topics in Creative Arts	
CCCA 202	The Good Earth: The Theme of Agrarianism	
CCCA 203	Inventing Modernism	
CCCA 205	Popular Hollywood Films: 1950s	
CCCA 206	Rumi's Vision	
CCCA 207	Children's Literature: A Lively Art	
CCCA 209	Contemporary American Poetry and The Times	
Departmental Courses Fulfilling Creative Arts Requirement		
ART 201	Studio: Art & Society	
ARTH 117	Introduction to Art History	
ARTH 217	Contemporary Art	
DANC 100	Introduction to Dance	
ENGL 208	Experiments in Creative Writing	
ENGL 210	Essentials of Film	
ENGL 250	Introduction to Literature	
ENGL 250H	Honors: Introduction to Literature	
ENGL 270	Literary Genre	
MUSI 251	Introduction to Music	
MUSI 253	World Music	
THEA 120	Introduction to Performance	
THEA 200	Introduction to Theatre	
PHIL 120	Art and Philosophy	
PHIL 120H	Honors: Art and Philosophy	

Human Heritage

Courses designated as Human Heritage will meet one or more of the overall Integrative Core Curriculum Student Learning Outcome Goals as noted below.

Goal: MCLA'S graduates engage in analytical inquiry to address complex problems.

1. Conduct research using both primary and secondary sources
2. Apply critical approaches to source material
3. Apply comparative approaches to source material
4. Draw valid conclusions from documentary evidence from a specific historical frame and evaluate the significance of such conclusions.

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Evaluate the significance of historical events, ideas, or circumstances within their own and contemporary contexts

Code	Title	Hours
Courses Fulfilling Human Heritage Requirement		
CCHH 101	Utopian Visions Fact and Fiction	
CCHH 110	Topics in Human Heritage	
CCHH 210	American Women Regionalist Writers	
CCHH 220	Popular History and Biography	
CCHH 221	Divine Witness	
CCHH 223	The Great Depression	
CCHH 230	Introduction to Latinx Studies	
Departmental Courses Fulfilling Human Heritage Requirement		
ENGL 207	Introduction to American Ethnic Studies	
ENGL 265	Literary Theme	
HIST 104	Modern World Civilization	
HIST 113	United States History to 1877	
HIST 114	United States History after 1877	
HIST 125	World Regional Geography	
HIST 220	Reformers, Rebels, Revolutionaries in East Asia	
HIST 230	War, Science, and Society	
HIST 240	Reacting to the Past	
HIST 250	Museums, Monuments & Memory	
HONR 100	The Nature of Human Nature	
IDST 150	Introduction to Cross-Cultural & Social Justice Studies	
IDST 150H	Honors: Introduction to Cross-Cultural and Social Justice	
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 and Critical Reasoning	

Self and Society

Courses designated as Self & Society will meet one or more of the overall Integrative Core Curriculum Student Learning Outcome Goals as noted below.

Goal: MCLA's graduates are effective communicators who utilize multiple forms of expression to participate in our global community.

1. Communicate ideas using a format and language inclusive of multiple audiences and perspectives

Goal: MCLA'S graduates engage in analytical inquiry to address complex problems.

1. Demonstrate understanding of the complexity of elements important to identity in relation to culture, history, values, politics, communication styles, economy, beliefs, or practices.
2. Analyze significant social issues using multiple perspectives, theories, and methods.

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Critically reflect on and explain their own values, beliefs, and experiences as they relate to the topic of the course.

Code	Title	Hours
Courses Fulfilling Self and Society Requirement		
CCSS 101	Contemporary Issues in Society	
CCSS 102	Snapshots of Society	
CCSS 110	Topics in Self and Society	
CCSS 202	World Regions and the New Global Order	
CCSS 210	Landscapes of Human Activities	
CCSS 260	Schools, the Law and Society	
CCSS 264	Mathematics of Fairness and Equity	
CCSS 264H	Honors: Mathematics of Fairness and Equity	
CCSS 268	Culture and the Body	
CCSS 269	Education and Society	
Departmental Courses Fulfilling Self and Society Requirement		
ANTH 130	Introduction to Sociocultural Anthropology	
ANTH 130H	Honors: Introduction to Sociocultural Anthropology	
ANTH 240	Peoples of the World	
BADM 100	Explorations in Business	
COMM 204	Media Self-Identity & Society	
ECON 141	Macroeconomics	
ENGL 231	The Power of Words	
HLTH 150	Introduction to Community and Public Health	
HLTH 150H	Honors: Introduction to Community and Public Health	
HLTH 210	Human Growth and Development	
HLTH 210H	Honors: Human Growth and Development	
IDST 250	Introduction to Interdisciplinary Studies	
IDST 251	Introduction to Urban Studies	
POSC 201	United States Government	
POSC 202	Comparative Government	
PSYC 100	Introduction to Psychology	
PSYC 230	Social Psychology	
SOCI 100	Introduction to Sociology	
SOCI 201	Social Problems	
SOCI 201H	Honors: Social Problems	
SOCI 210	Families	
SOCI 282	Social Constructions of Deviance	
WGSS 201	Introduction to Women Gender and Sexuality Studies	

Science and Technology

Courses designated as Science and Technology will meet one or more of the overall Integrative Core Curriculum Student Learning Outcome Goals as noted below.

Goal: MCLA's graduates are effective communicators who utilize multiple forms of expression to participate in our global community.

1. Communicate scientific findings and their importance to a variety of audiences.
2. Interpret and generate graphs from scientific data.

Goal: MCLA'S graduates engage in analytical inquiry to address complex problems.

1. Apply scientific practices and technology to test a hypothesis, answer a question, or solve problems.
2. Apply knowledge of natural science content to broader frameworks

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Evaluate the reliability of the sources of scientific media in making informed decisions.

Code	Title	Hours
Courses Fulfilling Science and Technology Requirement		
CCST 101	Topics in Physical Science	3
CCST 102	A Case Study Approach to Science	3
CCST 103	Quarks to Quasars	3
CCST 105	The Chemistry of CSI	3
CCST 105H	Honors: The Chemistry of CSI	3
CCST 106	The Physics of Superheroes	3
CCST 110	Topics in Physical Science with Laboratory	4
CCST 111	Topics in Life Science	3
CCST 112	Topics in Life Science with Lab	4
CCST 230	Energy and the Environment	4
Departmental Courses Fulfilling Science & Technology Requirement		
BIOL 100	Concepts in Biology	4
BIOL 102	Nutrition for Healthy Living with Lab	4
BIOL 103	Nutrition for Healthy Living	3
BIOL 105	Human Biology	3
BIOL 150	Introduction to Biology I: Cells	4
BIOL 255	Biodiversity	4
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
ENVI 150	Introduction to Environmental Systems	4
ENVI 150H	Honors: Introduction to Environmental Systems	4
ENVI 225	Nature of New England	4
ENVI 226	Nature of New England	3
ERTH 151	Introduction to Physical Geography	4
ERTH 152	Introduction to Physical Geology	4
ERTH 245	Natural Hazards	3
ERTH 270	Weather and Climate	3
ERTH 271	Landforms	4
HLTH 201	Exercise Science	3
PHYS 120	Introduction to Engineering	4
PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
PHYS 140	Astronomy	3
PHYS 151	Introduction to Mechanics	4
PHYS 251	Introduction to Electricity & Magnetism	4

First Year Seminar

First Year Seminar (FSEM) courses will consist of Creative Arts, Human Heritage, Self & Society, Science and Technology, or Language, Culture, and Communication courses. Sections taught as FSEM will carry the special designation on the schedule.

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Reflect on the connections between their curricular, co-curricular, and event-based learning.
2. Demonstrate proficiency in college-level academic skills.
3. Develop knowledge of campus learning and support resources.
4. Engage in extracurricular community-building activities with their peers and professor.
5. Demonstrate proficiency in life-management skills.
6. Reflect on the ways that their life experiences and identities shape their academic experiences.

NOTE: Students with a minimum of 12 credits of earned transfer coursework will not be required to complete the FSEM Core Curriculum Requirement. The 12 credits must be transfer college courses and cannot include: Advanced Placement, CLEP, International Baccalaureate, early enrollment, dual enrollment, or similar coursework. The 12 credit minimum aligns with Admissions definition of a transfer student.

Integrative Capstone Seminar

Courses designated as Capstone will meet all of the overall Integrative Core Curriculum Student Learning Outcome Goals as noted in all specified ways enumerated below.

Goal: MCLA's graduates are effective communicators who utilize multiple forms of expression to participate in our global community.

1. Communicate effectively in different contexts, making clear the interdependence of language, thought, and expression.
2. Locate and use high quality, credible, relevant sources from diverse perspectives to appropriately defend positions.

Goal: MCLA'S graduates engage in analytical inquiry to address complex problems.

1. Synthesize information to construct a clear and insightful problem statement.
2. Apply the most appropriate approach(es) to solve problems.
3. Draw conclusions by combining examples, facts, or theories from more than one field of study or perspective.

Goal: MCLA's graduates are active, engaged, and ethical individuals.

1. Make explicit connections to previous learning and apply their knowledge and skills to demonstrate comprehension and performance in novel situations.
2. Reflect on their contributions to their communities.
3. Reflect on the complexity of their own and others' identities in relation to the course topic or problem

Language Arts

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.

Prerequisite: FREN 101**Attributes:** Language Arts (CLA)**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.

Prerequisite: ITAL 101**Attributes:** Language Arts (CLA)**MODL 102 Special Topics in Modern Language****3 cr**

Examines fundamental concepts regarding the relationship of the individual to language and culture. Topics will vary by semester and be identified by subtitle.

Attributes: Language Arts (CLA)**Repeatable:** Unlimited Credits**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.

Prerequisite: SPAN 101 or equivalent**Attributes:** Language Arts (CLA)

Quantitative Reasoning

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.

Attributes: Quantitative Reasoning (CMA)**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.

Prerequisite: Placement based on SAT scores and high school background**Attributes:** Quantitative Reasoning (CMA)**MATH 220 Calculus I****3 cr**

Examines limits, continuity, the derivative, differentiation of elementary functions, applications of the derivative and an introduction to the antiderivative. The first of a four-part sequence.

Prerequisite: MATH 150, placement based on SAT and high school background or department approval**Attributes:** Quantitative Reasoning (CMA)**MATH 232 Introduction to Statistics****3 cr**

Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major.

Attributes: Quantitative Reasoning (CMA)**MATH 232H Honors: Introduction to Statistics****3 cr**

Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major.

Attributes: Quantitative Reasoning (CMA), Honors Program (HONR)

Critical Reading, Thinking, Writing

ENGL 150 College Writing II 3 cr

Emphasizes college-level writing, reading, research and revision practices necessary for 21st century academic and civic engagement. Teaches students to use a variety of genres, rhetorical techniques, and sources of evidence to reach academic and civic audiences.

Prerequisite: ENGL 100

Attributes: Critical Reading, Thinking, Writing (CWR)

Health and Wellness

PHED 215 Lifetime Wellness 3 cr

Helps students develop a set of health behaviors that constitute what is generally considered to be a high energy lifestyle. These behaviors stress responsibility for one's health. Areas covered are physical fitness, nutrition and weight control, stress management, substance abuse, sexually transmitted disease and chronic disease.

Attributes: Core Health and Wellness (CHW)

Creative Arts

ART 201 Studio: Art & Society 3 cr

Focuses on potential impacts of visual arts in both societal and personalized contexts through the introduction and understanding of basic drawing techniques, first-hand art experiences, research and writing. Students will be required to explore image-making, as well as writing, to express original ideas and to enhance critical thought, observation, and analysis of existing artwork, explaining and discussing the contexts in which an artwork was made and is viewed. Intended for non-art majors.

Attributes: Core Creative Arts (CCA)

ARTH 117 Introduction to Art History 3 cr

Introduces art, architecture, and sculpture from prehistory to the present. Focuses on the art of the West with additional discussion of non-Western cultures. Examines major works and artists within their historical, social, and political contexts while tracing principle art movements. Also explores materials and techniques of art making. Course may include field trips to local museums.

Attributes: Core Creative Arts (CCA)

ARTH 217 Contemporary Art 3 cr

Introduces contemporary art. Presents major artists in cultural, historical, and political contexts. Topics may include the changing nature of the avant-garde, the roles of the critic and the economic market, new forms of art making, and the expanding conceptions of creative self-expression, particularly with regards to gender identity and race. Course may include field trips to MASS MoCA and other local sites of contemporary art.

Attributes: Core Creative Arts (CCA)

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.

Attributes: Core Creative Arts (CCA)

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.

Attributes: Core Creative Arts (CCA)

CCCA 110 Topics in Creative Arts 3 cr

Examines fundamental concepts regarding the relationship of the individual to the creative arts. Topics will vary by semester and be identified by subtitle.

Attributes: Core Creative Arts (CCA)

Repeatable: Unlimited Credits

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.

Attributes: Core Creative Arts (CCA), Environmental Studies (ENVI)

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.

Attributes: Core Creative Arts (CCA)

CCCA 205 Popular Hollywood Films: 1950s 3 cr

Uses the basic concepts and insights of the creative arts to examine the ways in 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.

Attributes: Core Creative Arts (CCA)

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.

Attributes: Core Creative Arts (CCA)

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.

Attributes: Child & Family Studies Minor (C&FS), Core Creative Arts (CCA)

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.

Attributes: Core Creative Arts (CCA)

- DANC 100 Introduction to Dance** 3 cr
Introduces students to the basics of ballet and modern dance technique, as well as offer an overview of the history of those genres.
Attributes: Core Creative Arts (CCA)
- ENGL 208 Experiments in Creative Writing** 3 cr
Initiate new storytelling practices inspired by historic literary movements and contemporary writers. The goal is not to perfect stable pieces but to move our writing (fiction, creative nonfiction, and poetry) around, via formal conditions, limits, and games.
Attributes: Core Creative Arts (CCA)
- 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.
Attributes: Core Creative Arts (CCA)
- 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.)
Attributes: Core Creative Arts (CCA)
- ENGL 250H Honors: Introduction to Literature** 3 cr
Seeks to develop each students' 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.
Attributes: Core Creative Arts (CCA), Honors Program (HONR)
- 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.
Attributes: Core Creative Arts (CCA)
Repeatable: Unlimited Credits
- 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.
Attributes: Core Creative Arts (CCA)
- 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 Americans, and the wealth of ethnic culture in the North Adams area.
Attributes: Core Creative Arts (CCA)
- PHIL 120 Art and Philosophy** 3 cr
Adopts a philosophical approach to the experience, understanding and critical assessment of the products and processes of the creative arts. Our inquiries will center on two traditional questions of aesthetic theory: What is art? What is art's special value? This course will be more theoretical than hands-on, though direct, continued experience in the various creative arts will be encouraged and figure prominently in most discussions and assignments.
Attributes: Core Creative Arts (CCA)
- PHIL 120H Honors: Art and Philosophy** 3 cr
Adopts a philosophical approach to the experience, understanding and critical assessment of the products and processes of the creative arts. Our inquiries will center on two traditional questions of aesthetic theory. What is art? What is art's special value? This course will be more theoretical than hands-on, though direct, continued experience in the various creative arts will be encouraged and figure prominently in most discussions and assignments.
Attributes: Core Creative Arts (CCA), Honors Program (HONR)
- THEA 120 Introduction to Performance** 3 cr
Introduces the fundamentals of stage performance. Improvisation, relaxation, and character exercises build awareness of skills necessary for successful live performance. Presents basic acting vocabulary/theory. Develops confidence performing in front of others. Includes readings, plays in context, viewing of live theatre, and short writing assignments. Fosters more informed observers of performance experience.
Attributes: Core Creative Arts (CCA)
- THEA 200 Introduction to Theatre** 3 cr
Surveys historical development of world theatre emphasizing western dramatic tradition. Introduces a broad range of theatrical literature and theory within its historical context. Includes class discussions and writing assignments, as well as viewing of live theatre, panel discussions, and critical response sessions.
Attributes: Core Creative Arts (CCA)
- ## Human Heritage
- 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.
Attributes: Core Human Heritage (CHH)
- CCHH 110 Topics in Human Heritage** 3 cr
Examines fundamental concepts regarding the relationship of the individual to humanity's shared heritage. Topics will vary by semester and be identified by subtitle.
Attributes: Core Human Heritage (CHH)
Repeatable: Unlimited Credits
- 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.
Attributes: Core Human Heritage (CHH), Women Gender Sexuality Studies (WMST)

<p>CCHH 220 Popular History and Biography 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH)</p>	<p>HIST 113 United States History to 1877 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH)</p>
<p>CCHH 221 Divine Witness 3 cr</p> <p>Explores the history of revelation 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.</p> <p>Attributes: Core Human Heritage (CHH)</p>	<p>HIST 114 United States History after 1877 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH)</p>
<p>CCHH 223 The Great Depression 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH)</p>	<p>HIST 125 World Regional Geography 3 cr</p> <p>Introduces theories, terms and past and contemporary topics in human geography, including how cultures are born and change, how groups of people organize themselves and their activities both spatially and politically, how patterns of activities emerge and change across time and space, and how we interact with our environments. Students in this course will explore demographic, economic, and social trends and issues across the globe in their geographic and historical context.</p> <p>Attributes: Core Human Heritage (CHH)</p>
<p>CCHH 230 Introduction to Latinx Studies 3 cr</p> <p>Examines the United States, and the histories, cultures, and experiences of Americans of Latin American ancestry. Latinx studies is an interdisciplinary academic field that explores the politics, health, representation, and practices of people from Latin American and Caribbean heritage living in the United States. Latinx studies offers a lens through which we can better understand connections between diverse Latinx groups as well as the differences that may come between them.</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Core Human Heritage (CHH), Women Gender Sexuality Studies (WMST)</p>	<p>HIST 220 Reformers, Rebels, Revolutionaries in East Asia 3 cr</p> <p>Using a "lives and times" approach, this course will introduce to students some men and women whose lives reflect major social, cultural, political and economic developments in the modern history of East Asia (China, Japan, Korea, and Vietnam). These individuals were uniquely positioned to influence history when their society experienced profound transition and transformation through imperialism, industrialization, wars, and social conflicts.</p> <p>Attributes: Core Human Heritage (CHH)</p>
<p>ENGL 207 Introduction to American Ethnic Studies 3 cr</p> <p>Explores the methodological and thematic evolution of American and Ethnic Studies. We will ask: Who is an American? What does it mean to be American? We will approach this task through a critical vantage point that considers the impacts of race, class, gender, and sexuality on "Americanness." We will also explore how economics, empire, racism, transnationalism, and imperialism all impact our definitions of "Americanness."</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Core Human Heritage (CHH)</p>	<p>HIST 230 War, Science, and Society 3 cr</p> <p>Using a variety of case studies from European and world history, this course concentrates on increasing students' understanding of how conflict and scientific innovation have combined to change societies. Students will research and analyze a broad range of source materials to develop their ability to construct arguments and interpretations and express them logically and persuasively in speech and writing. Possible topics include atomic energy, medicine, transportation, and weaponry.</p> <p>Attributes: Core Human Heritage (CHH)</p>
<p>ENGL 265 Literary Theme 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH)</p> <p>Repeatable: Unlimited Credits</p>	<p>HIST 240 Reacting to the Past 3 cr</p> <p>Explores selected periods in American history using elaborate, role playing historical games based in the American past. This course seeks to draw students into engaging the past, developing their understanding and analysis of historical sources, and improving skills in speaking, writing, and leadership. The games covered in the course will vary from semester to semester.</p> <p>Attributes: Core Human Heritage (CHH)</p>
<p>HIST 104 Modern World Civilization 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH)</p>	<p>HIST 250 Museums, Monuments & Memory 3 cr</p> <p>Explores the ways that we remember the past. Students will engage with artifacts, museums, public symbols like monuments, and events meaningful to their own histories. They will work with local organizations to learn new methods of preserving history and presenting it to public audiences. Using a variety of case studies, this collaborative course will confront debates about the politics of history and explore how diverse audiences interact with history and historical memory.</p> <p>Attributes: Core Human Heritage (CHH)</p>

HONR 100 The Nature of Human Nature

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.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

IDST 150 Introduction to Cross-Cultural & Social Justice Studies

Opens up a perspective on culture diversity in local and global contexts. Takes an interdisciplinary approach to consider how historically shaped intersections of race, class, gender, and ethnicity inform the contemporary and past experiences of individuals and groups in society. Considers social justice and (in)equality by studying themes such as racism; classism; migration; globalization and labor rights; human trafficking; Islamophobia; and environmental justice.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Human Heritage (CHH)

IDST 150H Honors: Introduction to Cross-Cultural and Social Justice

Opens up a perspective on cultural diversity in local and global contexts. Takes an interdisciplinary approach to consider how historically shaped intersections of race, class, gender, and ethnicity inform the contemporary and past experiences of individuals and groups in society. Considers social justice and (in)equality by studying themes such as racism; classism; migration; globalization and labor rights; human trafficking; Islamophobia; and environmental justice.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

PHIL 100 A First Course in Philosophy

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.

Attributes: Core Human Heritage (CHH)

PHIL 110 World Religions

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 meaning of religion in human life.

Attributes: Core Human Heritage (CHH)

PHIL 110H Honors: World Religions

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 meaning of religion in human life.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

PHIL 200 Logic and Critical Reasoning

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.

Attributes: Core Human Heritage (CHH)

PHIL 200H Honors: Logic and Critical Reasoning

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.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

Self & Society

ANTH 130 Introduction to Sociocultural Anthropology

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.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS)

ANTH 130H Honors: Introduction to Sociocultural Anthropology

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.

Attributes: Core Self & Society (CSS), Honors Program (HONR)

ANTH 240 Peoples of the World

Exposes students to the concepts and methods of sociocultural anthropology through the examination of several cultural groups around the world. Delves into several important topics within anthropology such as economic systems, indigenous peoples, migration, and health. Introduces and practices basic anthropological methods.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)

BADM 100 Explorations in Business

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.

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

Attributes: Core Self & Society (CSS)

<p>CCSS 101 Contemporary Issues in Society 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS)</p>	<p>CCSS 268 Culture and the Body 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)</p>
<p>CCSS 102 Snapshots of Society 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS)</p>	<p>CCSS 269 Education and Society 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS)</p>
<p>CCSS 110 Topics in Self and Society 3 cr</p> <p>Examines fundamental concepts regarding the relationship of the individual to society at large. Topics will vary by semester and be identified by subtitle.</p> <p>Attributes: Core Self & Society (CSS)</p> <p>Repeatable: Unlimited Credits</p>	<p>COMM 204 Media Self-Identity & Society 3 cr</p> <p>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 and theories that explore identity through analyzing meanings in media and social/cultural texts. It questions how these develop across history and questions identity in everyday common sense discourse and its relationships to media and society at local and global levels.</p> <p>Attributes: Core Self & Society (CSS)</p>
<p>CCSS 202 World Regions and the New Global Order 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS)</p>	<p>ECON 141 Macroeconomics 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS)</p>
<p>CCSS 210 Landscapes of Human Activities 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS), Environmental Studies (ENVI)</p>	<p>ENGL 231 The Power of Words 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS), Leadership Minor (LDRS)</p>
<p>CCSS 260 Schools, the Law and Society 3 cr</p> <p>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.</p> <p>Prerequisite: 100-level Self & Society course</p> <p>Attributes: Core Self & Society (CSS)</p>	<p>HLTH 150 Introduction to Community and Public Health 3 cr</p> <p>Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.</p> <p>Attributes: Core Self & Society (CSS)</p>
<p>CCSS 264 Mathematics of Fairness and Equity 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS)</p>	
<p>CCSS 264H Honors: Mathematics of Fairness and Equity 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>	

- HLTH 150H Honors: Introduction to Community and Public Health** 3 cr
Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.
Attributes: Core Self & Society (CSS), Honors Program (HONR)
- HLTH 210 Human Growth and Development** 3 cr
Explores the life cycle from conception to death. Biological, sociological and psychological perspectives will be examined and applied to everyday situations and social issues.
Attributes: Core Self & Society (CSS)
- HLTH 210H Honors: Human Growth and Development** 3 cr
Explores the life cycle from conception to death. Biological, sociological, and psychological perspectives will be examined and applied to everyday situations and social issues.
Attributes: Core Self & Society (CSS), Honors Program (HONR)
- IDST 250 Introduction to Interdisciplinary Studies** 3 cr
Introduces students to the world of Interdisciplinary Studies. Draws on selected academic disciplines (such as sociology, history, political science, psychology, and cultural studies) to develop interdisciplinary frameworks applied to the study of complex issues in society that cannot be understood or solved through the lens of a single academic discipline. Course topic is identified by subtitle.
Attributes: Core Self & Society (CSS)
Repeatable: Unlimited Credits
- IDST 251 Introduction to Urban Studies** 3 cr
Traces cities back to their origins and ends with the present day where urbanization is happening faster than ever. Following a chronological order, we will examine how global forces and local communities are intimately connected. The course draws from various academic disciplines and introduces students to basic concepts such as density, zoning, gentrification, and urban renewal. The goal is to help students become informed thinkers critical of urban designs and suburban lifestyle.
Attributes: Core Self & Society (CSS)
- POSC 201 United States Government** 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.
Attributes: Core Self & Society (CSS), Environmental Studies (ENVI)
- POSC 202 Comparative Government** 3 cr
Provides a comparative introduction to common political problems and the discipline of political science. Through an interdisciplinary study of various nation-states, students will develop an understanding of political behavior, political institutions, and public policy processes.
Attributes: Core Self & Society (CSS), Environmental Studies (ENVI)
- 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.
Attributes: Core Self & Society (CSS)
- 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).
Prerequisite: PSYC 100 or any Self and Society course
Attributes: Core Self & Society (CSS), Leadership Minor (LDRS)
- SOCI 100 Introduction to Sociology** 3 cr
Introduces the history, major concepts, and methods of sociology. Examines elements of social organization, sociological analysis of groups and relationships between major institutions of society. Emphasizes the idea of the sociological imagination and its application to contemporary issues.
Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS)
- SOCI 201 Social Problems** 3 cr
Studies problems and disorganization in modern industrial society such as: poverty, racism, sexism, environmental pollution, militarism and family issues.
Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS)
- SOCI 201H Honors: Social Problems** 3 cr
Studies problems and disorganization in modern industrial society such as: poverty, racism, sexism, environmental pollution, militarism, and family issues.
Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS), Honors Program (HONR)
- SOCI 210 Families** 3 cr
Explores contemporary American families (the forms they take, the functions they serve, the problems they face) within the context of families of other historical time periods, and other cultures. Presents an interdisciplinary examination of topics such as: gender roles, marriage, divorce and blended families, nonmarital lifestyles, parenting, family policy and technology's impact on family life.
Attributes: Child & Family Studies Minor (C&FS), Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)
- SOCI 282 Social Constructions of Deviance** 3 cr
Analyzes social definitions of and responses to deviance, as well as explanations of its causes. Examines drug and alcohol use and abuse, mental illness, sexual and gender differences, and other issues frequently considered deviant.
Attributes: Core Self & Society (CSS)
- WGSS 201 Introduction to Women Gender and Sexuality Studies** 3 cr
Explores the historical, social, political, economic, and cultural forces that inform sex, gender, and sexuality within the context of feminist movements. Students learn and engage with concepts and theoretical perspectives found in the field of Women, Gender, and Sexuality Studies. Understand the multiple matrices of power that shape the world and our lived experiences.
Attributes: Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)

Science & Technology

<p>BIOL 103 Nutrition for Healthy Living 3 cr</p> <p>Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>CCST 106 The Physics of Superheroes 3 cr</p> <p>Examines superheroes through the lens of modern physics. The student will use basic physics principles such as mechanics, energy, and quantum mechanics to model and explain the powers and events in literature, which consists of comic books, sci-fi novels, and fantasy novels. This course will develop problem solving skills that are useful in a variety of real world applications. This course assumes no previous knowledge of physics and will be useful for science and non-science majors alike.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>
<p>BIOL 105 Human Biology 3 cr</p> <p>Provides the non-major 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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>CCST 111 Topics in Life Science 3 cr</p> <p>Designed for non-STEM majors, this course will examine fundamental concepts in the life sciences. Scientific reasoning and discovery provide a context for understanding reality-based applications of science. Topics will vary by semester and be identified by subtitle.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p> <p>Repeatable: Unlimited Credits</p>
<p>CCST 101 Topics in Physical Science 3 cr</p> <p>Designed for non-STEM majors, this course will examine fundamental concepts in physical science. Scientific reasoning, discovery, and invention provide a context for understanding reality-based applications of science. Topics will vary by semester and be identified by subtitle.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p> <p>Repeatable: Unlimited Credits</p>	<p>ENVI 226 Nature of New England 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)</p>
<p>CCST 102 A Case Study Approach to Science 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>ERTH 245 Natural Hazards 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)</p>
<p>CCST 103 Quarks to Quasars 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>ERTH 270 Weather and Climate 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)</p>
<p>CCST 105 The Chemistry of CSI 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>HLTH 201 Exercise Science 3 cr</p> <p>Facilitates an understanding of exercise based on the principles related to training basics, energy systems, muscular fitness and biomechanics. Students will learn to develop training programs for better physical performance and health.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>
<p>CCST 105H Honors: The Chemistry of CSI 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST), Honors Program (HONR)</p>	<p>PHYS 140 Astronomy 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>

Science & Technology with a Lab

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.

Attributes: Core Science & Tech w/lab (CSTL)

BIOL 102 Nutrition for Healthy Living with Lab

4 cr

Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Required laboratory. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.

Attributes: Core Science & Tech w/lab (CSTL)

BIOL 150 Introduction to Biology I: Cells

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

BIOL 255 Biodiversity

4 cr

Provides the non-major with focus on global, regional and local patterns of biological diversity and processes that influence these patterns. Central to discussions of biodiversity pattern and process will be scientific principles from ecology, evolution and conservation biology. The impact of humans on natural systems and biodiversity loss will also be discussed. Case studies will be used to illustrate biodiversity loss and proposals to protect and restore biodiversity. Required laboratory.

Attributes: Core Science & Tech w/lab (CSTL)

CCST 110 Topics in Physical Science with Laboratory

4 cr

Designed for non-STEM majors, this course will examine fundamental concepts in physical science. Scientific reasoning, discovery, and invention provide a context for understanding reality-based applications of science. Topics will vary by semester and be identified by subtitle. Required laboratory

Attributes: Core Science & Tech w/lab (CSTL)

Repeatable: Unlimited Credits

CCST 112 Topics in Life Science with Lab

4 cr

Designed for non-STEM majors, this course will examine fundamental concepts in life science. Scientific reasoning, discovery, and invention provide a context for understanding reality-based applications of science. Topics will vary by semester and be identified by subtitle. Required laboratory.

Attributes: Core Science & Tech w/lab (CSTL)

Repeatable: Unlimited Credits

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

CHEM 152 Introduction to Chemistry II

4 cr

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

Prerequisite: CHEM 150

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

ENVI 150 Introduction to Environmental Systems

4 cr

Provides a foundation in the physical, chemical and biological principles of environmental science in order to explore Earth's terrestrial, aquatic and atmospheric systems. Directly investigates freshwater and forest environments of the northeast in the context of the scientific method. Required laboratory.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI), Honors Program (HONR)

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

ERTH 151 Introduction to Physical Geography

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

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

ERTH 152 Introduction to Physical Geology

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

ERTH 271 Landforms

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. Required laboratory

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

PHYS 120 Introduction to Engineering

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.

Attributes: Core Science & Tech w/lab (CSTL)

PHYS 131 General Physics I

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.

Attributes: Core Science & Tech w/lab (CSTL)

PHYS 132 General Physics II

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.

Prerequisite: PHYS 131

Attributes: Core Science & Tech w/lab (CSTL)

PHYS 151 Introduction to Mechanics

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.

Prerequisite: MATH 150 or MATH 220 or concurrent enrollment in MATH 220

Attributes: Core Science & Tech w/lab (CSTL)

4 cr 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.

Prerequisite: PHYS 151, MATH 220

Attributes: Core Science & Tech w/lab (CSTL)

4 cr Capstone Experience**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.

Prerequisite: Junior status and completion of all Tier I and Tier II requirements

Attributes: Capstone Experience Tier III (CAP)

Art

(413) 662-5255

www.mcla.edu/art (<http://www.mcla.edu/art/>)

Chairperson: Jeremy Winchester, M.F.A.

Email: Jeremy.Winchester@mcla.edu (jeremy.winchester@mcla.edu)

Art Major

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. Courses start with a foundations approach centered on drawing, painting, design, sculpture and art history. Building on these skills and concepts, students can choose electives in figure drawing, book arts, illustration, and many other art methods. Students will also develop their own artworks and a depth of knowledge about the history of art, according to their career goals and interests. 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.

Students graduating with a major in Art 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 market their own and others' art.

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 & or design minor or art minor

Programs

- Art - Design Concentration, B.A. (p. 45)
- Art - Studio Art Concentration, B.A. (p. 45)
- Art History Minor (p. 45)
- Art Minor (p. 45)
- Design Minor (p. 45)

Foundation Courses

Code	Title	Hours
ART 116	Introduction to Drawing	3
ART 118	Introduction to Design	3
ART 125	Introduction to Sculpture	3
ART 204	Digital Media	3
ART 212	Introduction to Painting	3
ART 216	Intermediate Drawing	3
ART 315	Intermediate Art Lab	3
ART 412	Advanced Art Lab	3
ART 480	Senior Art Project	3
AMGT 130	Introduction to Arts Management	3
ARTH 117	Introduction to Art History	3
ARTH 217	Contemporary Art	3

Select two of the following Cultural Context courses:	6
AMGT 335	Museum Studies
AMGT 345	Community Arts and Education
AMGT 355	Artist Entrepreneurship
AMGT 435	Advanced Museum Studies
ARTH 311	Topics in Art History
ARTH 413	Seminar in Art History
ARTH 500	Independent Study in Art History
Total Hours	42

Students must choose from one of the two following concentrations: Design or Studio Art.

Art Courses

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.

ART 118 Introduction to Design 3 cr
Introduces design through individual and collaborative design projects. Uses a variety of materials and processes, explores the elements and principles of design, project development, presentation skills and the role of the craft.

ART 125 Introduction to Sculpture 3 cr
Introduces a variety of sculptured methods including manipulation, addition and subtraction as well as principles of three-dimensional design.

ART 201 Studio: Art & Society 3 cr
Focuses on potential impacts of visual arts in both societal and personalized contexts through the introduction and understanding of basic drawing techniques, first-hand art experiences, research and writing. Students will be required to explore image-making, as well as writing, to express original ideas and to enhance critical thought, observation, and analysis of existing artwork, explaining and discussing the contexts in which an artwork was made and is viewed. Intended for non-art majors.

Attributes: Core Creative Arts (CCA)

ART 204 Digital Media 3 cr
Introduces students to digital media and techniques with a particular emphasis on contemporary practical applications.

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 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 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
Repeatable: Unlimited Credits
- 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 315 Intermediate Art Lab** 1-6 cr
Intermediate, experimental studio art laboratory. Course work includes analysis and creation of individualized art projects designed by the student with frequent feedback from the instructor, peer groups, critiques, and/or guest artists. This course may be repeated.
Prerequisite: Junior status, Art Major or Minor
Repeatable: Unlimited Credits
- ART 335 Intermediate Studio (Technique)** 3 cr
Employs mid-level studio art techniques to create original artworks. Method and technique vary by semester and may include art forms such as cast painting, block printing, digital photography, book arts, sculpture or other specialty topics. Course may be repeated.
Prerequisite: Any 100 or 200 level ART course
Repeatable: Unlimited Credits
- ART 412 Advanced Art Lab** 1-6 cr
Advanced, experimental studio art laboratory. Course work includes analysis and creation of individualized art projects designed by the student with frequent feedback from the instructor, peer groups, critiques, and/or guest artists. This course may be repeated.
Prerequisite: Minimum 3 credits of ART 315 or senior status
Repeatable: Unlimited Credits
- 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
Repeatable: Unlimited Credits
- 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: Senior Art Major
Repeatable: Unlimited Credits
- ART 499 Teaching Assistantship** 1-3 cr
Study art teaching methods, deliver academic class presentations, assist with study sessions and tutorials, attend all classes, final paper and other duties negotiated with course instructor. Must have completed a minimum of four (4) courses in the major, 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.
Prerequisite: Department approval
Repeatable: Maximum of 6 credits
- ART 500 Independent Study** 1-3 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
Repeatable: Maximum of 12 credits
- ART 540 Internship** 1-15 cr
Offers eligible students the opportunity for enhanced educational opportunities by providing actual field experience in public or private organizations that relate to their academic and professional interests. Enrollment requires individual application with faculty sponsorship and departmental approval.
Prerequisite: Junior/senior status and department approval
Repeatable: Maximum of 15 credits
- ## Art History
- ARTH 117 Introduction to Art History** 3 cr
Introduces art, architecture, and sculpture from prehistory to the present. Focuses on the art of the West with additional discussion of non-Western cultures. Examines major works and artists within their historical, social, and political contexts while tracing principle art movements. Also explores materials and techniques of art making. Course may include field trips to local museums.
Attributes: Core Creative Arts (CCA)
- ARTH 217 Contemporary Art** 3 cr
Introduces contemporary art. Presents major artists in cultural, historical, and political contexts. Topics may include the changing nature of the avant-garde, the roles of the critic and the economic market, new forms of art making, and the expanding conceptions of creative self-expression, particularly with regards to gender identity and race. Course may include field trips to MASS MoCA and other local sites of contemporary art.
Attributes: Core Creative Arts (CCA)
- ARTH 311 Topics in Art History** 3 cr
Provides a focused investigation of a particular art historical period(s) or theme(s). Introduces art historical research and bibliography. Topics vary by section. May be repeated for credit with a different topic.
Prerequisite: ARTH 117 or ARTH 217
Repeatable: Unlimited Credits
- ARTH 413 Seminar in Art History** 3 cr
Provides a critical and sustained investigation of a particular topic. Topics vary by section and rotate among art historical fields. Students in this advanced seminar read and discuss relevant texts and are exposed to varying art historical viewpoints and theories. Students conduct independent research, make oral presentations, and write research papers. May be repeated for credit with a different topic.
Prerequisite: ARTH 311
Repeatable: Unlimited Credits

ARTH 500 Independent Study in Art History 1-3 cr

Develop an art historical research topic to study critically and in depth in conjunction with the faculty advisor.

Prerequisite: Instructor approval

Repeatable: Maximum of 12 credits

Art - Design Concentration, B.A.

Code	Title	Hours
Art Major Foundation Courses (p. 43)		42
ART 218	Intermediate Design	3
Select twelve credits of the following (six credits must be 300 level or higher):		12
ART 235	Introductory Studio (Technique) ¹	
ART 335	Intermediate Studio (Technique) ¹	
ART 435	Advanced Studio (Technique) ¹	
ART 500	Independent Study	
ART 540	Internship	
Total Hours		57

¹ Topics courses vary by semester and may include Concepts to Print, Publication Design & Typography, Book Arts, Letterpress Printing, Typography, Design Thinking, Concrete Poetry, Printmaking, Letterpress, Experimental Letterpress, Painted Papers, Prints, Book Arts, etc.

Art - Studio Art Concentration, B.A.

Code	Title	Hours
Art Major Foundation Courses (p. 43)		42
ART 232	Intermediate Painting	3
Select twelve credits of the following (six credits must be 300 level or higher):		12
ART 235	Introductory Studio (Technique) ¹	
ART 305	The Human Figure	
ART 335	Intermediate Studio (Technique) ¹	
ART 435	Advanced Studio (Technique) ¹	
ART 500	Independent Study	
ART 540	Internship	
Total Hours		57

¹ Topics courses vary by semester and may include Collage, Illustration, Mixed Media, Advanced Drawing, etc.

Art History Minor

Code	Title	Hours
ARTH 117	Introduction to Art History	3
ARTH 217	Contemporary Art	3
ARTH 311	Topics in Art History	3
or AMGT 335	Museum Studies	
ARTH 311	Topics in Art History	3
or AMGT 435	Advanced Museum Studies	

Select three additional courses of the following at the 300 level or higher, at least one of which must be at 400 level or higher, and chosen in conjunction with the faculty advisor.

ART 540	Internship	
ARTH 311	Topics in Art History	
ARTH 413	Seminar in Art History	
ARTH 500	Independent Study in Art History	
AMGT 335	Museum Studies	

AMGT 435	Advanced Museum Studies	
Total Hours		21

Art Minor

Code	Title	Hours
ART 116	Introduction to Drawing	3
ARTH 117	Introduction to Art History	3
or ARTH 217	Contemporary Art	
Select six credits of the following 100 or 200 level studio art courses:		6
ART 118	Introduction to Design	
ART 125	Introduction to Sculpture	
ART 204	Digital Media	
ART 212	Introduction to Painting	
ART 216	Intermediate Drawing	
ART 218	Intermediate Design	
ART 232	Intermediate Painting	
ART 235	Introductory Studio (Technique)	
Select nine credits of the following 300 or 400 level studio art courses:		9
ART 305	The Human Figure	
ART 315	Intermediate Art Lab	
ART 335	Intermediate Studio (Technique)	
ART 412	Advanced Art Lab	
ART 435	Advanced Studio (Technique)	
Total Hours		21

Design Minor

Code	Title	Hours
ART 116	Introduction to Drawing	3
ART 118	Introduction to Design	3
ART 204	Digital Media	3
ART 218	Intermediate Design	3
Three design electives:		9
ART 235	Introductory Studio (Technique) ¹	
ART 335	Intermediate Studio (Technique) ¹	
ART 435	Advanced Studio (Technique) ¹	
Total Hours		21

¹ Design electives are topics courses, that vary by semester and may include: From Concepts to Print; Publication Design & Typography; Book Arts; Letterpress Printing, Typography, Design Thinking, Concrete Poetry, Printmaking, Letterpress, Experimental Letterpress, Painted Papers, Prints, Book Arts, etc.

Arts Management

(413) 662-5255 • www.mcla.edu/amgt (<http://www.mcla.edu/amgt/>)
 Chairperson: Jeremy Winchester, M.F.A.
 Email: Jeremy.Winchester@mcla.edu (jeremy.winchester@mcla.edu)

Arts Management Major

The Department of Fine and Performing Arts offers a four-year program leading to a Bachelor of Arts in Arts Management. This unique program give graduates the tools to create, develop, facilitate and evaluate cultural programs and organizations. The major features a strong background in visual arts, music, and theatre; combined with strategic planning, leadership, marketing, grants, fundraising and finance. Graduates develop expertise in areas including museum studies, performing arts management, community arts, arts education and artist entrepreneurship. The program's internship and future employment opportunities are enhanced through MCLA partners in the world-class Berkshire art community, such as the Massachusetts Museum of Contemporary Art (MASS MoCA), the Sterling and Francine Clark Art Institute, Shakespeare and Company, Barrington Stage Company, the Norman Rockwell Museum, and Tanglewood, 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, and non-profit organizations - 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 major in Arts Management will be able to:

- Demonstrate an understanding of arts & culture management including types of artistic/cultural work, organizational structures, and the strategic management process.
- Demonstrate an understanding of arts & culture marketing, financial management, grants, fundraising, and leadership.
- Learn and apply real-world skills in event/program planning, implementation and evaluation; audience/community development and project management.
- Develop and understanding of the current arts ecosystem, cross sectoral intersections, and current issues facing the field.

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:

- Arts management and arts management minor

Programs

- Arts Management Minor (p. 48)
- Arts Management, B.A. (p. 48)

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.

AMGT 235 Fundamentals of Arts and Culture Organizations

3 cr

Explores functional elements of arts and culture organizations with emphasis on strategic planning and organizations' fit in the arts ecosystem. An in-depth study of arts management focusing on topics including planning, organizational identity, environmental analysis, strategy development, marketing, human resources, financial planning, fundraising and control systems. Focus will be on the strategic management process and organizational innovation in the context of the contemporary arts environment.

AMGT 235H Honors: Fundamentals of Arts and Culture

3 cr

Explores functional elements of arts and culture organizations with emphasis on strategic planning and organizations' fit in the arts ecosystem. An in-depth study of arts management focusing on topics including planning, organizational identity, environmental analysis, strategy development, marketing, human resources, financial planning, fundraising and control systems. Focus will be on the strategic management process and organizational innovation in the context of the contemporary arts environment.

Attributes: Honors Program (HONR)

AMGT 245 Arts and Culture Marketing

3 cr

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

Prerequisite: AMGT 130 or AMGT 235

AMGT 255 Financial Management in Arts and Culture

3 cr

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

Prerequisite: AMGT 130 or AMGT 235

AMGT 295 Topics in Arts Management

1-3 cr

Studies a specific aspect of arts management designed to provide applied studies in arts management analysis, communication, legal issues, marketing, finance, performing arts management, museum studies, artist entrepreneurship, community engagement, community arts & education, arts & culture policy, arts advocacy or other arts management related content. Content identified by subtitle.

Repeatable: Unlimited Credits

AMGT 305 Writing for Arts and Culture

3 cr

Prepares students for writing in the arts and culture for a variety of contexts and audiences. The class will be run in a seminar format where students experience and engage in writing, analyzing, and drafting processes exploring a range of methods of communicating effectively and disseminating information about the arts and about their role in the arts. Students will develop a portfolio of writing (philosophy statement, bio, resume, cover letter, press release, blog entries, reviews, interviews, etc.)

Prerequisite: AMGT 130 or AMGT 235

<p>AMGT 330 Grants & Fund Raising 3 cr</p> <p>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 and culture organizations.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 385 Legal Issues in Arts and Culture 3 cr</p> <p>Introduces students to the basic legal issues encountered in arts and culture management. Students will cover the concepts of intellectual property, contracts and business structure. Current legal issues facing the industry will be addressed with a focus on the impacts of the digital age.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>
<p>AMGT 335 Museum Studies 3 cr</p> <p>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.</p> <p>Prerequisite: AMGT 130 or ARTH 117 or AMGT 235</p>	<p>AMGT 430 Topics in Arts Management 3 cr</p> <p>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.</p> <p>Prerequisite: AMGT 130</p> <p>Repeatable: Unlimited Credits</p>
<p>AMGT 340 Performing Arts Management 3 cr</p> <p>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.</p> <p>Prerequisite: AMGT 130</p>	<p>AMGT 435 Advanced Museum Studies 3 cr</p> <p>An advanced level of museum study which includes management and exhibition.</p> <p>Prerequisite: AMGT 335</p>
<p>AMGT 345 Community Arts and Education 3 cr</p> <p>Explores the work of artist educators in and out-of-school contexts, develops skills to identify learning objectives for their work, documents educational work, and increases the potency of marketing and descriptive material.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 440 Advanced Performing Arts Management 3 cr</p> <p>Focuses on practical and applied experience in performing arts management. Students will examine presenting from all angles including curatorial methods and current trends in performing arts. Course uses practical and real life examples of organizing an actual festival including marketing, budgeting, production, curating and audience development.</p> <p>Prerequisite: AMGT 340</p>
<p>AMGT 345H Honors: Community Arts Education 3 cr</p> <p>Explores the work of artist educators in and out of school contexts; develops skills to identify learning objectives for their work; documents educational work; increases the potency of marketing and descriptive material.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p> <p>Attributes: Honors Program (HONR)</p>	<p>AMGT 445 Community Engagement in Arts & Culture 3 cr</p> <p>Explores intersections between creative process, social activism and cross-sector work in community contexts. Students consider how artists, arts and culture managers, and community leaders work to catalyze communities through engagement in the arts and culture. Students investigate examples of projects and organizations that have successfully used arts and culture to address issues by sparking successful community dialogue.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>
<p>AMGT 355 Artist Entrepreneurship 3 cr</p> <p>Introduces the skills and techniques specific to individual fine arts businesses with an emphasis on applied work, peer critique and the development and/or refinement of a comprehensive portfolio of fine arts business tools. Topics to include strategic planning, marketing, financial record keeping, budgeting, taxes, time management, grant writing, legal issues, business structure and integrated technology use.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 450 Career and Portfolio Workshop 1 cr</p> <p>Provides senior students majoring in Arts Management 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 a personal strategic plan 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 and tools for success.</p> <p>Prerequisite: Arts management senior major</p>
<p>AMGT 365 Arts and Culture Research 3 cr</p> <p>Investigates the role of research in advancing arts and culture. Students will learn how to read and make sense of research studies in arts and culture. Students engage in research activities moving from designing a research question and conducting a literature review to designing instruments to collect data. Students explore strategies for analyzing data and consider implications for promising practices in the field. Students participate in research on a community-based project.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 499 Teaching Assistantship 1-3 cr</p> <p>Study arts management teaching methods, supervise academic class presentations, assist with study sessions and tutorials, attend all classes, final paper and other duties negotiated with course instructor. Must have completed a minimum of four (4) courses in the major, 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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 6 credits</p>
<p>AMGT 375 Arts and Culture Leadership 3 cr</p> <p>Studies the theories of human motivation and leadership and adaptation of these theories to programs in arts and culture organizations. Students will probe concepts of authority and delegation and analyze leadership styles. Students will also explore concepts of and develop skills in managing effective work teams, time management, hiring and supervision, and board relations.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 500 Supervised Independent Study 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status and department approval</p> <p>Repeatable: Maximum of 12 credits</p>

AMGT 540 Internship in Arts & Culture

1-15 cr

Provides opportunities in a variety of arts and culture organizations to gain practical experience and develop skills in applying arts and culture theories in management, marketing, finance, development, community engagement, education and program administration. Includes accompanying classroom session to integrate field and classroom learning. Enrollment requires individual application and permission of the department.

Prerequisite: Junior/senior status and department approval

Repeatable: Maximum of 15 credits

Arts Management, B.A.

Code	Title	Hours
Foundation Courses		
AMGT 130	Introduction to Arts Management	3
AMGT 235/235H	Fundamentals of Arts and Culture Organizations	3
Choose 2 (6 credits from two different disciplines)		6
ARTH 117	Introduction to Art History	
or ARTH 217	Contemporary Art	
DANC 100	Introduction to Dance	
MUSI 175	Home Studio Recording	
or MUSI 251	Introduction to Music	
THEA 200	Introduction to Theatre	
Arts Management Block		
AMGT 245	Arts and Culture Marketing	3
AMGT 255	Financial Management in Arts and Culture	3
AMGT 330	Grants & Fund Raising	3
AMGT 375	Arts and Culture Leadership	3
AMGT 445	Community Engagement in Arts & Culture	3
AMGT 450	Career and Portfolio Workshop	1
AMGT 540	Internship in Arts & Culture	3
Choose 2 (6 credits)		6
AMGT 335	Museum Studies	
AMGT 340	Performing Arts Management	
AMGT 345/345H	Community Arts and Education	
AMGT 355	Artist Entrepreneurship	
Select four of the following electives:		12
AMGT 305	Writing for Arts and Culture	
AMGT 335	Museum Studies	
AMGT 340	Performing Arts Management	
AMGT 345	Community Arts and Education	
AMGT 355	Artist Entrepreneurship	
AMGT 365	Arts and Culture Research	
AMGT 385	Legal Issues in Arts and Culture	
AMGT 430	Topics in Arts Management	
AMGT 435	Advanced Museum Studies	
AMGT 440	Advanced Performing Arts Management	
AMGT 499	Teaching Assistantship	
AMGT 500	Supervised Independent Study	
AMGT 540	Internship in Arts & Culture	
TRVL 300	Travel Course To:	
Total Hours		49

Arts Management Minor

Code	Title	Hours
AMGT 130	Introduction to Arts Management	3
AMGT 235/235H	Fundamentals of Arts and Culture Organizations	3
Select four of the following electives:		12
AMGT 245	Arts and Culture Marketing	
AMGT 255	Financial Management in Arts and Culture	
AMGT 305	Writing for Arts and Culture	
AMGT 330	Grants & Fund Raising	
AMGT 335	Museum Studies	
AMGT 340	Performing Arts Management	
AMGT 345/235H	Community Arts and Education	
AMGT 355	Artist Entrepreneurship	
AMGT 365	Arts and Culture Research	
AMGT 375	Arts and Culture Leadership	
AMGT 385	Legal Issues in Arts and Culture	
AMGT 430	Topics in Arts Management	
AMGT 440	Advanced Performing Arts Management	
AMGT 445	Community Engagement in Arts & Culture	
AMGT 499	Teaching Assistantship	
AMGT 500	Supervised Independent Study	
AMGT 540	Internship in Arts & Culture	
Total Hours		18

Biology

(413) 662-5153

www.mcla.edu/biol (<http://www.mcla.edu/biol/>)

Chairperson: Justin Golub, Ph.D.

Email: J.Golub@mcla.edu

Biology General Major

The general biology major provides students with a strong background in the biological sciences, from molecules to organisms to ecological relationships. Advanced courses build upon information learned in the foundational courses and allow students to pursue their own areas of interest. The general major is a good choice for students interested in Botany, Wildlife Biology, Conservation Biology, Marine Biology, and Secondary Education. A major in traditional Biology prepares students to pursue graduate degrees or to work in a variety of settings.

Students graduating with a major in Biology 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.

MCLA-New York College of Podiatric Medicine Articulation Program

Strong students that have met the requirements outlined in the articulation agreement can simultaneously complete their senior year of undergraduate study and the first year of podiatric medicine at the New York College of Podiatric Medicine. MCLA counts credits from the New York College of Podiatric Medicine toward the B. S. in Biology.

Biology Achievement Award

This award recognizes the achievement of a student in their junior year (at least 1 full semester of classwork remaining) of the Biology Major. Factors for consideration are GPA, course and department involvement (independent research, TA, SI, etc.), and extracurricular activities.

Programs

- Biology - Biotechnology Concentration, B.S. (p. 55)
- Biology - Pre-Medical Professions Concentration, B.S. (p. 55)
- Biology - Pre-Veterinary Concentration, B.S. (p. 55)
- Biology Minor (p. 56)
- Biology, B.S. (p. 56)
- Health and Society Minor (p. 56)
- MCLA – Berkshire Community College Biotechnology Articulation Agreement (p. 56)
- Public Health Minor (p. 57)
- Sport Coaching Minor (p. 57)

Biology

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.
Attributes: Core Science & Tech w/lab (CSTL)

BIOL 101 Biology Seminar for Majors

1 cr

Introduces students to scientific skills that will support majors in their academic work. Explores the diversity of biological and health fields through presentations, scientific literature and communication activities, and interactions with peers and mentors. This seminar is required for students majoring in biology, health sciences and community health education.

Prerequisite: BIOL or HLTH or CHLT Major

BIOL 102 Nutrition for Healthy Living with Lab

4 cr

Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Required laboratory. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.

Attributes: Core Science & Tech w/lab (CSTL)

BIOL 103 Nutrition for Healthy Living

3 cr

Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.

Attributes: Core Science & Tech w/o lab (CST)

BIOL 105 Human Biology

3 cr

Provides the non-major 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.

Attributes: Core Science & Tech w/o lab (CST)

BIOL 150 Introduction to Biology I: Cells

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

BIOL 160 Introduction to Biology II: Organisms

4 cr

Introduces the student to evolution, ecology, and diversity of life. This course is designed for, but not limited to, students pursuing a major/minor in science. Required laboratory

Prerequisite: BIOL 150 or ENVI 150H

<p>BIOL 195 Special Topics in Biology 1-4 cr Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the introductory level. Repeatable: Unlimited Credits</p>	<p>BIOL 307 Pharmacology 3 cr Examines the basic principles of pharmacology. Focuses on prescription and non-prescription drugs, their use, actions, indications, contraindications, misuse and abuse. Drugs will be considered on a body system basis with the appropriate consideration of the application of pharmacological principles as applied to specific body systems. Emphasis is on pharmacological applications to athletic training. Stresses the use of electronic media in both learning exercises and as a source of drug information. Prerequisite: BIOL 150, CHEM 150</p>
<p>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. Prerequisite: BIOL 100 or BIOL 150 Attributes: Environmental Studies (ENVI)</p>	<p>BIOL 312 Epidemiology 3 cr Introduces the student to the field of epidemiology. Students will learn about the distribution, frequency, and determinants of patterns of disease and health conditions in various human populations. Prerequisite: MATH 232 and BIOL 150 or HLTH 150 or HLTH 150H</p>
<p>BIOL 240 Genetics 4 cr Examines the major aspects of heredity, with emphasis on Mendelian principles as well as multiple genes, linkage, sex chromosomes, chromosome numbers, and biochemical and population genetics. Required laboratory. Prerequisite: BIOL 150</p>	<p>BIOL 316 Functional Human Anatomy 3 cr Studies human anatomy as it pertains to human motion, with respect to anatomical and musculoskeletal fundamentals. Includes a review of anatomy with emphasis on the function of joints and muscles as they relate to normal human movement. Prerequisite: BIOL 100 or BIOL 150</p>
<p>BIOL 245 Zoology 4 cr Introduces the student to the biology of the invertebrate and vertebrate animals of the world through evolutionary and phylogenetic relationships. The course serves as an introduction to the major phyla. Required laboratory. Prerequisite: BIOL 150 Attributes: Environmental Studies (ENVI)</p>	<p>BIOL 317 Advanced Genetics 3 cr Studies selected topics in the field of genetics. Emphasizes the genetic mechanism as well as how this enables us to understand how genetics fits into the growing field of biology as well as its impact upon society. Prerequisite: BIOL 240</p>
<p>BIOL 250 Nutrition 3 cr Investigates the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. In addition, the course explores topics such as label-reading, diets, dietary analysis and other issues of current interest. Prerequisite: BIOL 100 or BIOL 150</p>	<p>BIOL 320 Microbiology 4 cr Investigates prokaryotic and viral microbes with emphasis on both general and clinical applications. Major topics covered are taxonomy, anatomy, morphology, reproduction and growth, bacterial control, pathogenicity, genetics and genetic engineering. Extensive laboratory protocol is provided. Required laboratory. Prerequisite: BIOL 240 Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 255 Biodiversity 4 cr Provides the non-major with focus on global, regional and local patterns of biological diversity and processes that influence these patterns. Central to discussions of biodiversity pattern and process will be scientific principles from ecology, evolution and conservation biology. The impact of humans on natural systems and biodiversity loss will also be discussed. Case studies will be used to illustrate biodiversity loss and proposals to protect and restore biodiversity. Required laboratory. Attributes: Core Science & Tech w/lab (CSTL)</p>	<p>BIOL 324 Marine Biology 3 cr Explores the factors that limit the abundance and distribution of marine organisms. Topics include the diversity of habitats, reproductive strategies and the interrelationships between organisms, as well as the influence of currents, light, temperature and nutrient supply on the abundance and distribution of life in the oceans. Prerequisite: BIOL 160 Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 295 Special Topics in Biology 1-4 cr Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the high introductory level. Prerequisite: Will vary depending on the course Repeatable: Unlimited Credits</p>	<p>BIOL 327 Plants and Society 3 cr Introduces students to the interactions between people and plants in cultures throughout the world. Topics to be discussed include the current and historical use of plants as food, fiber, fuel and medicine. Prerequisite: Junior/senior status Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 302 Applied Statistics in Biology 1 cr Utilizes a format of mini-lectures and group discussions of statistical analyses used in biology and health fields. One hour weekly. Prerequisite: MATH 232 and sophomore status</p>	<p>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. Prerequisite: Sophomore/junior/senior status Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>
<p>BIOL 305 Immunology 3 cr Examines the structure and function of antigens, antibodies and the cellular system of immunity. Additional topics include a study of the complement system, antibody classification, and immunological tolerance. The interaction of all systems will be emphasized. Prerequisite: BIOL 240</p>	

- BIOL 330 Journal Article Discussion** 1 cr
Utilizes a format of individual presentations and group discussions of journal articles related to topics in biology or health. One hour weekly.
Prerequisite: BIOL 101 and junior/senior status
Repeatable: Unlimited Credits
- BIOL 332 Bryology & Lichenology** 4 cr
Provides skills in identification and knowledge of taxonomy, biology and ecology of bryophytes (mosses, liverworts, hornworts) and macrolichens, with focus on the taxa found in northeastern North America. Students will gain experience identifying these groups using hand-lenses and microscopes, dissections, and chemical testing, and will learn techniques for preparing a personal reference collection and specimens for museum-vouchered collections. Required laboratory; labs mostly outdoors.
Prerequisite: BIOL 160 or BIOL 235
- BIOL 332H Honors: Bryology and Lichenology** 4 cr
Provides skills in identification and knowledge of taxonomy, biology and ecology of bryophytes (mosses, liverworts, hornworts) and macrolichens, with focus on the taxa found in northeastern North America. Students will gain experience identifying these groups using hand-lenses and microscopes, dissections, and chemical testing, and will learn techniques for preparing a personal reference collection and specimens for museum-vouchered collections. Required laboratory; lab mostly outdoors.
Prerequisite: BIOL 160 or BIOL 235
Attributes: Honors Program (HONR)
- BIOL 334 Field Botany** 4 cr
Provides skills in plant identification through extensive fieldwork and study of live and pressed specimens. Emphasis on use of keys and associated terminology, exposure to the major vascular plant groups of northeastern North America, and practice identifying unknown plants. Students will learn about identification, morphology, ecology, taxonomy, and nomenclature of large taxonomic groups such as Poaceae (grasses) and Asteraceae (aster family). Required laboratory; labs mostly outdoors.
Prerequisite: BIOL 160 or BIOL 235
- 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.
Prerequisite: BIOL 160 or ENVI 150 or ENVI 150H
Attributes: Environmental Studies (ENVI)
- 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.
Prerequisite: BIOL 100 or BIOL 150 or ENVI 150 or ENVI 150H
Attributes: Environmental Studies (ENVI)
- BIOL 353 Entomology** 4 cr
Prepares students to confidently key specimens of New England insects and other relevant taxa to the family, genus or species level. Students will gain extensive practice in examining insects and other relevant invertebrates using hand-lenses and microscopes, as well as identifying live and preserve specimens using dichotomous keys and associated terminology. Students will learn techniques for assembling a personal reference collection and preparing specimens for museum-vouchered collections. Required laboratory.
Prerequisite: BIOL 160
- BIOL 354 Ecology** 4 cr
Investigates community and ecosystem structure and function, energy transformation, matter cycling, abiotic factors, food webs, symbiosis and populations. Required laboratory.
Prerequisite: BIOL 160 or ENVI 150 or ENVI 150H
- BIOL 360 Biochemistry** 3 cr
Surveys the structure and properties of biologically important compounds: carbohydrates, proteins, amino acids, lipids, nucleic acids, and vitamins. Other topics to be covered include enzyme activity, cellular metabolism and protein synthesis.
Prerequisite: CHEM 201
- BIOL 361 Advanced Biochemistry** 3 cr
Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization.
Prerequisite: BIOL 360
- BIOL 361H Honors: Advanced Biochemistry** 3 cr
Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization.
Prerequisite: BIOL 360
Attributes: Honors Program (HONR)
- 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
- 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: BIOL 240

BIOL 390 Biometry	3 cr	BIOL 440 Exercise Physiology	4 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.		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: Junior status and MATH 150, or MATH 220, or MATH 232		Prerequisite: BIOL 343 and junior/senior status	
BIOL 395 Special Topics in Biology	1-4 cr	BIOL 445 Pathophysiology	3 cr
Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the advanced level.		Provides an in-depth survey of physiological causes and pathological development of diseases that affect various organ systems in the body. Pathologies will be examined at the molecular, cellular, tissue and organ levels, with emphasis on the homeostatic disturbances that lead to disease conditions. Current research insights relating to disease states will be addressed throughout the course.	
Prerequisite: Will vary depending on the course		Prerequisite: BIOL 343	
Repeatable: Unlimited Credits		BIOL 450 Animal Behavior	4 cr
BIOL 403 Applied Nutrition	3 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.	
Explores current issues and topics of interest in nutrition, including but not limited to athletic performance, human development, human disease and nutritional therapy, with focus on primary literature.		Prerequisite: BIOL 160, BIOL 240, junior/senior status	
Prerequisite: BIOL 250, junior/senior status		BIOL 475 Special Topics in Biology	1-4 cr
BIOL 405 Animal Physiology	4 cr	Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the high advanced level.	
Explores structure and function of major animal organ systems, addressing mechanisms for maintaining homeostasis and body functions. Both vertebrate and invertebrate examples will be used, and experimentation and primary literature will be emphasized. Required laboratory.		Prerequisite: Will vary depending on the course	
Prerequisite: BIOL 160, junior/senior status		Repeatable: Unlimited Credits	
BIOL 410 Biotechniques	4 cr	BIOL 480 Cell & Molecular Biology	4 cr
Explores major techniques in the fields of biochemistry, cellular biology and molecular biology. This course is designed to be completely laboratory based.		Examines the pioneering research in eukaryotic cell and molecular biology. Topics covered include structure and function of organelles, membrane dynamics, intracellular targeting, metabolism, eukaryotic replication, transcription, and translation, and applications to biotechnology. The required laboratory component emphasizes current cell and molecular techniques.	
Prerequisite: BIOL 160, BIOL 240, junior/senior status		Prerequisite: BIOL 240 and junior/senior status	
BIOL 412 Research Methods in Epidemiology	3 cr	BIOL 484 Biomechanics	3 cr
Introduces the student to research methods in the field of epidemiology. Students will learn the value of research methodology as applied to the field of epidemiology with a focus on concepts and interpretation of basic research design and statistical analysis.		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 312 and junior/senior status		Prerequisite: BIOL 316 or BIOL 342 and junior/senior status	
BIOL 418 Parasitology	4 cr	BIOL 491 BMC: Clinical Chemistry	8 cr
Introduces students to the principles of parasitology and the related health concerns to humans and animals. Parasites from the following categories will be covered: protozoa, platyhelminthes, nematoda and arthropoda. Required laboratory.		Introduces the student to the physiology of the organ systems 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: BIOL 150 and junior/senior status		Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med Tech Clinical Lab Experience	
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, junior/senior status			
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, and junior/senior status			
Attributes: Additional Fees Apply (FEE)			

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. Tech. Clinical Lab Experience.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med

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. Tech. Clinical Lab Experience.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med

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. Tech. Clinical Lab Experience.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med

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. Tech. Clinical Lab Experience.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med

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. Tech. Clinical Lab Experience.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med

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. Tech. Clinical Lab Experience.

Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med

BIOL 499 Teaching Assistant in Biology

1-3 cr

Provides the opportunity for a student to assist in the preparation and implementation of a biology course.

Prerequisite: Department approval

Repeatable: Maximum of 6 credits

BIOL 500 Biology Independent Study

1-3 cr

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

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

BIOL 510 Biology Independent Research

1-3 cr

For biology majors who desire to conduct research on a specific topic in biology. The research will be under the direction of the instructor and will require a scholarly report.

Prerequisite: Department approval

Repeatable: Maximum of 15 credits

BIOL 540 Biology Internship

1-15 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

Repeatable: Maximum of 15 credits

Health

HLTH 100 Clinical Observation

1 cr

Allows the student to learn about a specific health care field through direct observation of clinical practice. The student will work with a faculty sponsor and a clinical supervisor. Students will complete clinical observation and will participate in scheduled discussions about the observation experience. This course is graded on a pass-fail basis and is repeatable to 3 credits. HLTH 100 may be paired with BIOL 500 Independent Study for advanced exploration of the field.

Prerequisite: Department approval

Repeatable: Maximum of 3 credits

HLTH 105 Medical Terminology

1 cr

Allows recognition and accurate use of terminology that describes the human body and its pathological processes, conditions and diseases. Terminology related to procedures and clinical tests will also be addressed.

HLTH 110 Introduction to Healthcare

3 cr

Provides content for a comprehensive survey and introduction to the U.S. health care system. Topics and discussions will include public health, financing of health care, health insurance, politics, health care providers, and delivery of health care. The course will introduce concepts of regulation, legislation, ethics, and elements of health care reform.

HLTH 150 Introduction to Community and Public Health

3 cr

Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.

Attributes: Core Self & Society (CSS)

<p>HLTH 150H Honors: Introduction to Community and Public Health 3 cr</p> <p>Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.</p> <p>Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>	<p>HLTH 310 Environmental Health 3 cr</p> <p>Provides a multidisciplinary understanding of the science, practice, laws and policy of environmental health sciences, addressing why risk of disease is modulated by the environment. Topics include types and sources of environmental contaminants, exposure assessment, types of microenvironments, human behavior and time-location-activity patterns, toxicology, the risk assessment paradigm, basics of environmental and occupational epidemiology, and communicating about environmental health sciences.</p> <p>Prerequisite: Junior/senior status and BIOL 150 or HLTH 150 or HLTH 150H</p>
<p>HLTH 195 Special Topics in Health Studies 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the introductory level.</p> <p>Repeatable: Unlimited Credits</p>	<p>HLTH 321 Lower Body Assessment 4 cr</p> <p>Explores all aspects of injury evaluation. Injuries to the lower extremity and lumbar spine will be stressed through lecture and lab. Required laboratory.</p> <p>Prerequisite: BIOL 342</p>
<p>HLTH 200 Health Promotion and Planning 3 cr</p> <p>Introduces students to health promotion programs. Students will develop health education curricula and teaching strategies for individuals and groups across the life span and in a variety of settings. Students will explore curricular design theory, health education needs assessments, instructional strategies, learner characteristics, teaching materials and aids, learning environments, and evaluation methods.</p>	<p>HLTH 322 Upper Body Assessment 4 cr</p> <p>Explores all aspects of injury evaluation. Injuries to the upper extremity and cervical spine will be emphasized through lecture and lab. Required laboratory.</p> <p>Prerequisite: BIOL 342</p>
<p>HLTH 201 Exercise Science 3 cr</p> <p>Facilitates an understanding of exercise based on the principles related to training basics, energy systems, muscular fitness and biomechanics. Students will learn to develop training programs for better physical performance and health.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>HLTH 337 Therapeutic Modalities 4 cr</p> <p>Explores the physiology of inflammation and pain in the context of injury. Describes the principles and effects of therapeutic modalities (including thermal, acoustic, electrical, light, and mechanical) and promotes appropriate selection and application of the modalities. Required laboratory.</p> <p>Prerequisite: BIOL 150 and sophomore, junior, or senior status</p>
<p>HLTH 210 Human Growth and Development 3 cr</p> <p>Explores the life cycle from conception to death. Biological, sociological and psychological perspectives will be examined and applied to everyday situations and social issues.</p> <p>Attributes: Core Self & Society (CSS)</p>	<p>HLTH 338 Therapeutic Exercise 3 cr</p> <p>Offers students the opportunity to study the techniques and principles involved in rehabilitation of athletic injuries. It includes all aspects of reconditioning exercise and rehabilitation program development.</p> <p>Prerequisite: BIOL 342</p>
<p>HLTH 210H Honors: Human Growth and Development 3 cr</p> <p>Explores the life cycle from conception to death. Biological, sociological, and psychological perspectives will be examined and applied to everyday situations and social issues.</p> <p>Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>	<p>HLTH 339 Therapeutic Exercise with Lab 4 cr</p> <p>Offers students the opportunity to study and practice the techniques and principles involved in rehabilitation of athletic injuries. It includes all aspects of reconditioning exercise and rehabilitation program development. Required laboratory.</p> <p>Prerequisite: BIOL 342</p>
<p>HLTH 295 Special Topics in Health Studies 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the high introductory level.</p> <p>Prerequisite: Will vary depending on the course</p> <p>Repeatable: Unlimited Credits</p>	<p>HLTH 350 Health Communication 3 cr</p> <p>Examines how communication affects and is intertwined with issues of health, medicine and ethics. Communication will be discussed on a personal, intimate level in the way patients and caregivers interact in the examination and hospital room; at the organizational level, in the way policies and community relations affect how health care is provided and how people feel about providers; and in media campaigns that seek to educate people about health.</p> <p>Prerequisite: Junior/senior status</p>
<p>HLTH 300 Ethical Issues in Health Care 3 cr</p> <p>Examines the moral traditions and ethical principles relevant to life, and their application in present-day clinical care and biomedical research. Introduces students to the historical, theoretical, and thematic dimensions of health care ethics. Focuses on main ethical terms and concepts, as well as decision-making procedures that students can use to discern and defend moral courses of action in health care.</p> <p>Prerequisite: Junior/senior status</p>	<p>HLTH 395 Special Topics in Health Studies 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the advanced level.</p> <p>Prerequisite: Will vary depending on the course</p> <p>Repeatable: Unlimited Credits</p>

HLTH 495 Special Topics in Health Studies 1-4 cr

Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the high advanced level.

Prerequisite: Will vary depending on course

Repeatable: Unlimited Credits

HLTH 500 Health Science Independent Study 1-3 cr

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

Prerequisite: Junior/senior status and department approval

Repeatable: Maximum of 12 credits

HLTH 510 Health Science Independent Research 1-3 cr

For health science majors who desire to conduct research on a specific topic in a health science field. The research will be under the direction of the instructor and will require scholarly report.

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

HLTH 540 Internship in Community Health Education 3 cr

Provides students with hands-on experience outside of the college in the field of community health and wellness. The student will work with a faculty sponsor and an off-campus supervisor, as appropriate. Repeatable up to 12 credits.

Prerequisite: HLTH 200 and junior/senior status

Repeatable: Maximum of 12 credits

HLTH 590 Health Internship 1-15 cr

Provides students with hands-on experience in health fields. The student will work with a faculty sponsor and an off-campus supervisor, as appropriate.

Prerequisite: Junior/senior status

Repeatable: Maximum of 15 credits

Students interested in middle or secondary education can complete the general Biology major and licensure requirements through the Education Department, or can double major in Biology and Education. Students pursuing this option can also enroll in a 4 + 1 program to complete the B.S. in Biology and Masters of Education at MCLA in five years.

Biology - Biotechnology Concentration, B.S.

The Biotechnology concentration provides a solid background in both Biology and Chemistry. This concentration emphasizes laboratories. Students are strongly encouraged to gain experience through undergraduate research and/or internships.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 160	Introduction to Biology II: Organisms	4
BIOL 240	Genetics	4
BIOL 302	Applied Statistics in Biology	1
BIOL 320	Microbiology	4
BIOL 360	Biochemistry	3
BIOL 390	Biometry	3
BIOL 410	Biotechniques	4
BIOL 420	Bioinformatics	3
BIOL 480	Cell & Molecular Biology	4
CHEM 150	Introduction to Chemistry I	4

CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
CSCI 243	Database Development	3
MATH 232/232H	Introduction to Statistics	3
PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
Total Hours		65

Biology - Pre-Medical Professions Concentration, B.S.

The Pre-Medical Professions concentration serves students interested in medicine, dentistry and pharmacy. The course sequence in this concentration provides the foundational knowledge necessary to score well on the MCAT and GRE and to succeed in a variety of professional programs.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 160	Introduction to Biology II: Organisms	4
BIOL 240	Genetics	4
BIOL 302	Applied Statistics in Biology	1
BIOL 320	Microbiology	4
BIOL 342	Anatomy and Physiology I	4
BIOL 343	Anatomy and Physiology II	4
BIOL 360	Biochemistry	3
BIOL 480	Cell & Molecular Biology	4
Biology Upper Level Elective		3
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
MATH 232/232H	Introduction to Statistics	3
Total Hours		63

Biology - Pre-Veterinary Concentration, B.S.

The Pre-Veterinary concentration allows students to study diverse aspects of animal biology. The concentration prepares students for a variety of animal focused careers and aligns with the prerequisite courses for veterinary programs. Students gain hands-on experience working with animals through coursework and internships. Students can complete animal care internships at MCLA, the Berkshire Museum and/or local animal hospitals.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 160	Introduction to Biology II: Organisms	4
BIOL 240	Genetics	4
BIOL 302	Applied Statistics in Biology	1
BIOL 320	Microbiology	4

BIOL 360	Biochemistry	3
Select one of the following:		3-4
BIOL 405	Animal Physiology	
BIOL 395	Special Topics in Biology (Vertebrate Zoology)	
BIOL 395	Special Topics in Biology (Comparative Vertebrate Anatomy)	
BIOL 450	Animal Behavior	4
BIOL 540	Biology Internship	1
Upper Level Biology Electives		6
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
MATH 232/232H	Introduction to Statistics	3
PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
Total Hours		62-63

Biology Minor

Code	Title	Hours
BIOL 100	Concepts in Biology	4
or BIOL 150	Introduction to Biology I: Cells	
BIOL 160	Introduction to Biology II: Organisms	4
Twelve credits at the 200 level or above BIOL courses with at least one course being at the 300 level or above		12
Total Hours		20

Biology, B.S.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 160	Introduction to Biology II: Organisms	4
BIOL 240	Genetics	4
BIOL 302	Applied Statistics in Biology	1
BIOL 354	Ecology	4
BIOL 480	Cell & Molecular Biology	4
Biology Electives (300 level or above)		13
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
MATH 232/232H	Introduction to Statistics	3
PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
Total Hours		62

Health and Society Minor

Code	Title	Hours
BIOL 105	Human Biology	3-4
or BIOL 150	Introduction to Biology I: Cells	
PSYC 100	Introduction to Psychology	3
Select one of the following:		3
SOCI 100	Introduction to Sociology	
ANTH 130/130H	Introduction to Sociocultural Anthropology	

Code	Title	Hours
ANTH 240	Peoples of the World	
Select at least four elective courses from at least two departments from the following (at least six credits must be at the 300 level or above):		12
Department of Biology		
BIOL 250	Nutrition	
BIOL 312	Epidemiology	
BIOL 412	Research Methods in Epidemiology	
BIOL 403	Applied Nutrition	
HLTH 200	Health Promotion and Planning	
HLTH 310	Environmental Health	
HLTH 540	Internship in Community Health Education	
HLTH 590	Health Internship	
Department of Psychology		
PSYC 230	Social Psychology	
PSYC 270	Abnormal Psychology	
PSYC 316	Behavior Analysis	
PSYC 325	Environmental Psychology	
PSYC 331	Biological Psychology	
PSYC 332	Drugs and Human Behavior	
PSYC 355	Human Sexuality	
PSYC 356	Psychology of Gender	
Department of Sociology, Anthropology & Social Work		
ANTH 310	Global Health	
ANTH 315	Community Health	
ANTH 380	Gender and Health	
SOCI 201/201H	Social Problems	
SOCI 305	Latinas in US Society	
SOCI 321	Race and Ethnic Relations	
SOCI 415	Sociology of Happiness	
SOCI 425	Sociology of Childhood	
SOWK 340	Inequality and Social Policy	
SOWK 405	Poverty and Place	
Total Hours		21-22

MCLA – Berkshire Community College Biotechnology Articulation Agreement

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

Code	Title	Hours
BCC Program-Specific Courses		26
BCC General Education Courses		36
BIOL 101	Biology Seminar for Majors	1
BIOL 240	Genetics	4
BIOL 320	Microbiology	4
BIOL 330	Journal Article Discussion	1
BIOL 360	Biochemistry	3
BIOL 390	Biometry	3
BIOL 410	Biotechniques	4
BIOL 420	Bioinformatics	3
BIOL 480	Cell & Molecular Biology	4
CSCI 243	Database Development	3

PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
Tier III Capstone		3
Additional Upper Level Requirements		12
Physical Education Requirements		2
Additional Electives		3
Total Hours		120

Public Health Minor

Code	Title	Hours
BIOL 150	Introduction to Biology I: Cells	4
HLTH 150H	Honors: Introduction to Community and Public Health	3
MATH 232/232H	Introduction to Statistics	3
BIOL 312	Epidemiology	3
Select two of the following electives; at least one must be at the 300-level or above:		6
ANTH 310	Global Health	
ANTH 315	Community Health	
BIOL 412	Research Methods in Epidemiology	
HLTH 200	Health Promotion and Planning	
HLTH 310	Environmental Health	
HLTH 540	Internship in Community Health Education	
Total Hours		19

Sport Coaching Minor

The Biology Department offers a minor in sport coaching. This interdisciplinary program prepares students to coach athletic teams and athletes at all levels. Students that complete the minor may meet eligibility requirements to apply for sport coaching certificates in MA, CT, NY, or VT.

Code	Title	Hours
HLTH 201	Exercise Science	3
PHED 200	Exercise Injury Prevention and Care	3
PHED 300	Fundamentals of Coaching	3
PHED 540	Internship in Sport Coaching	3
Select three electives from the below list ¹		9-10
BADM 240	Issues in Event and Sport Management	
BADM 346	Athletics Administration	
BADM 366	Team Facilitation	
BADM 440/440H	Advanced Leadership	
BIOL 250	Nutrition	
BIOL 403	Applied Nutrition	
BIOL 440	Exercise Physiology	
BIOL 484	Biomechanics	
HLTH 210	Human Growth and Development	
PSYC 208/208H	Applied Developmental Psychology	
or PSYC 210	Developmental Psychology	
PSYC 376	Sport Psychology	
SOCI 316	Sociology of Sport	
Total Hours		21-22

¹ With the approval of the sport coaching advisor and department chair, other courses related to sports coaching may be taken as electives for the minor.

Business Administration and Economics

(413) 662-5317

www.mcla.edu/badm (<http://www.mcla.edu/badm/>)

Chairperson: Thomas Whalen, Ph.D.

Email: T.Whalen@mcla.edu

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 five areas of concentration. All of our options offer a strong foundation of required courses, combined with relevant departmental and non-departmental courses that give students a strong base in communication, technical and administrative skills. The goal of our program is for students to become academically well-rounded and technically prepared for a career in business, government, non-profit organizations or for graduate study.

Students graduating with a major in business administration will be able to:

- Demonstrate working knowledge of the major functional areas of Business and their applications.
- Communicate effectively in both written and oral form using appropriate presentation strategies.
- Identify and evaluate business problems and use appropriate tools to arrive at reasoned conclusions.
- Demonstrate quantitative skills and abilities by solving business problems and make sound business decisions.
- Identify and evaluate ethical and social responsibility implications that underlie business decisions.

Programs

- Business Administration - Accounting Concentration, B.S. (p. 63)
- Business Administration - Event & Sport Management Concentration, B.S. (p. 63)
- Business Administration - International Business Concentration, B.S. (p. 64)
- Business Administration - Management Concentration, B.S. (p. 64)
- Business Administration - Marketing Concentration, B.S. (p. 65)
- Business Administration Minor (p. 65)
- Business Administration, B.S. (p. 63)
- Economics Minor (p. 65)
- Entrepreneurship Minor (p. 65)
- Leadership Minor (p. 65)
- Marketing Minor (p. 66)

Business Administration

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.

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

Attributes: Core Self & Society (CSS)

BADM 110 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 communications.

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

Focuses on the application of common mathematical models and elementary functions to problems in the business world. The following topics are presented with emphasis on applications in business, economics, and finance: linear, polynomial, rational, exponential and logarithmic functions, along with differentiation, integration, and optimization. Other applicable topics include computations of simple and compound interest, and loans.

Prerequisite: ECON 142, MATH 232

BADM 224 Financial Accounting 3 cr

Introduces basic principles and methods used to develop financial statements and throughout the accounting cycle. Introduces ethical issues in accounting and requires students to conduct financial analysis and translate raw data into useful information for decision making. Spreadsheet and word processing software are used in the analysis of financial information.

Prerequisite: BADM 110

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. Spreadsheet and word-processing software are used in the analysis of managerial accounting information.

BADM 240 Issues in Event and Sport Management 3 cr

Provides students with an overview of the basic issues in managing events in business, cultural 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.

<p>BADM 260 Management 3 cr</p> <p>Explores the managerial roles of leading, planning, organizing, and controlling in modern organizations. 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.</p> <p>Attributes: Leadership Minor (LDRS)</p>	<p>BADM 322 Financial Reporting II 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 321</p>
<p>BADM 270 Marketing 3 cr</p> <p>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 to explore the marketing practices of today's organizations and learn real world applications of marketing theory.</p>	<p>BADM 325 International Business 3 cr</p> <p>Studies the manager's perspective in the fields of international trade and investment, balance of payments, international financial markets and monetary systems, national trade policy and laws. The course also addresses cultural variables in business, and examines how each of a number of basic management activities must be dealt with differently in the international environment than in a purely domestic setting.</p> <p>Prerequisite: BADM 260, ECON 141</p>
<p>BADM 290 Sophomore Special Topics 3 cr</p> <p>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.</p> <p>Prerequisite: Sophomore status</p> <p>Repeatable: Unlimited Credits</p>	<p>BADM 330 Cost Accounting 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 225</p>
<p>BADM 300 Personal Investing 3 cr</p> <p>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.</p> <p>Prerequisite: Junior status</p>	<p>BADM 335 Federal Taxation - Individuals 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 224</p>
<p>BADM 303 Business Law II 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 201</p>	<p>BADM 340 Financial Management 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 224, ECON 141, junior status</p>
<p>BADM 310 Advanced Information Systems 3 cr</p> <p>Provides an in-depth study of the business information technology application. Students will learn to use the advanced functions found in word processing, spreadsheet, and database applications found within the business environment.</p> <p>Prerequisite: BADM 110</p>	<p>BADM 342 Legal and Social Environment of Business 3 cr</p> <p>Focuses on legal and social issues in the workplace including, but not limited to: diversity, inclusion interpersonal conflict communication issues, harassment, and job performance. Current events, the Constitution, statutes, adjudicated cases and ethical principles will be used to illustrate the history, philosophy, structure, processes, and controls of state and federal regulatory systems over economic, social and individual activities.</p> <p>Prerequisite: Junior status</p>
<p>BADM 320 Accounting Systems 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 224</p>	<p>BADM 345 Sport Finance and Economics 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 240, ECON 142</p>
<p>BADM 321 Financial Reporting I 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 320</p>	

<p>BADM 346 Athletics Administration 3 cr</p> <p>Provides an overview of the operation of athletic programs in business and educational environments. Emphasis is placed on a practical working knowledge of administration as it relates to athletes. Policies and procedures as they pertain to budget, facilities, governance, eligibility, operations and management, human resources, contests, and other pertinent forces dealing with athletic opportunities in interscholastic athletics, as well as private athletic enterprises.</p> <p>Prerequisite: Junior status</p>	<p>BADM 380 Strategic Marketing 3 cr</p> <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> <p>Prerequisite: BADM 270</p>
<p>BADM 361 Organizational Behavior 3 cr</p> <p>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.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Leadership Minor (LDRS)</p>	<p>BADM 381 Consumer Behavior 3 cr</p> <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> <p>Prerequisite: BADM 270</p>
<p>BADM 362 Human Resource Management 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 260</p>	<p>BADM 382 Marketing Research 3 cr</p> <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> <p>Prerequisite: BADM 270, ECON 316</p>
<p>BADM 363 Operations Management 3 cr</p> <p>Examines managerial processes for effective operations in both goods-producing and service oriented organizations. Topics include operations strategy, process selections and design, capacity planning, facilities locations and design, forecasting, supply chain management, production scheduling, inventory control, quality assurance, just-in-time, and project management. The topics are integrated using a systems model of the operations of an organization. Excel is used extensively.</p> <p>Prerequisite: BADM 110, MATH 232, BADM 260</p>	<p>BADM 384 Marketing Communications 3 cr</p> <p>Approaches the subject from an integrated marketing communications perspective. Examines advertising, publicity, sales promotions, 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.</p> <p>Prerequisite: BADM 270</p> <p>Attributes: Leadership Minor (LDRS)</p>
<p>BADM 365 Labor and Labor Law 3 cr</p> <p>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.</p> <p>Prerequisite: Completion of Tier II Human Heritage</p>	<p>BADM 385 Global Marketing 3 cr</p> <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> <p>Prerequisite: BADM 270</p>
<p>BADM 366 Team Facilitation 3 cr</p> <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.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Leadership Minor (LDRS)</p>	<p>BADM 386 Sport Marketing 3 cr</p> <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> <p>Prerequisite: BADM 270</p>
<p>BADM 367 Small Business Entrepreneurship 3 cr</p> <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> <p>Prerequisite: Junior status</p>	<p>BADM 387 Service and Event Marketing 3 cr</p> <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> <p>Prerequisite: BADM 270</p>
	<p>BADM 390 Managing Workplace Diversity 3 cr</p> <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.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Leadership Minor (LDRS), Women Gender Sexuality Studies (WMST)</p>

<p>BADM 395 Accounting for Entrepreneurs 3 cr</p> <p>Explores the advantages and disadvantages of various organizational structures and tax issues as they relate to entrepreneurs. Students will be introduced to basic financial and managerial accounting concepts, taxation, funding sources, budgeting, and general ledger software.</p> <p>Prerequisite: ENTR 210</p>	<p>BADM 440H Honors: Advanced Leadership 3 cr</p> <p>Examines various topics in leadership studies, both current and historical. Emphasis will be placed on exploring and developing the student's personal leadership philosophy, style, and approach. Possible topics could include operational, strategic, and ethical considerations within today's dynamic social, corporate, and non-profit environment. Additional research component will be required of students taking this course for honors credit.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Honors Program (HONR)</p>
<p>BADM 405 Contemporary Business and Organizational Issues 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 260, BADM 270</p> <p>Attributes: Leadership Minor (LDRS)</p>	<p>BADM 441 Managerial Finance 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 340</p>
<p>BADM 415 Global Supply Chain Management 3 cr</p> <p>Focuses on the theoretical and practical foundations of understanding and managing global supply chain logistics. The course emphasizes the foundations and core principles of logistics and supply chain management from domestic and global perspectives, paying particular attention to organizational, strategic and operational issues. In this interdisciplinary course, students will gain a multi-faceted perspective on the broad critical themes of logistics and supply chain management.</p> <p>Prerequisite: BADM 260, ECON 316</p>	<p>BADM 475 Seminar in Event and Sport Management 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 240 and either a) BADM 387 & ECON 377 or b) BADM 345 & BADM 386</p>
<p>BADM 420 Business Resource Center 3 cr</p> <p>Offers students an opportunity to provide consulting services to area firms.</p> <p>Prerequisite: Junior status, 2.5 GPA</p>	<p>BADM 490 Special Topics in Business Administration 3 cr</p> <p>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.</p> <p>Prerequisite: Junior status</p> <p>Repeatable: Unlimited Credits</p>
<p>BADM 421 Advanced Financial Reporting 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 322</p>	<p>BADM 500 Independent Study in Business 1-3 cr</p> <p>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.</p> <p>Prerequisite: Junior status</p> <p>Repeatable: Maximum of 12 credits</p>
<p>BADM 423 Auditing 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 321</p>	<p>BADM 510 Seminar in Business Policy 3 cr</p> <p>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.</p> <p>Prerequisite: Senior status, BADM 340</p>
<p>BADM 435 Federal Taxation - Entities 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 335</p>	<p>BADM 540 Internship in Business 1-15 cr</p> <p>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.)</p> <p>Prerequisite: Junior status, 2.5 GPA</p> <p>Repeatable: Maximum of 15 credits</p>
<p>BADM 440 Advanced Leadership 3 cr</p> <p>Examines various topics in leadership studies, both current and historical. Emphasis will be placed on exploring and developing the student's personal leadership philosophy, style, and approach. Possible topics could include operational, strategic, and ethical considerations within today's dynamic social, corporate, and non-profit environment.</p> <p>Prerequisite: Junior status</p>	

BADM 550 Accounting Internship 1-15 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

Repeatable: Maximum of 15 credits

Economics

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.

Attributes: Core Self & Society (CSS)

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.

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

Repeatable: Unlimited Credits

ECON 310 International Economics 3 cr

Introduces students to the basics of international trade and finance and the effects of various international economic policies on domestic and world welfare. The course will discuss, among other things, sources of comparative advantage, gains and losses from trade, and the impact of trade on economic growth. In addition, the course will expose students to topics on trade policy interventions such as tariffs, quotas and voluntary export restraints.

Prerequisite: ECON 141, ECON 316

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 150H or ENVI 152H or ECON 141 or ECON 142 and junior status

ECON 316 Statistics for Business and Economics 3 cr

Continues the statistical methodology developed in Introduction to Statistics (MATH 232). Topics include interval estimation, hypothesis testing, analysis of variance, correlation analysis, simple linear and multiple regression, nonparametric testing, and design of experiments with specific application to problems in business and economics. Students' development of analytical skills enhanced by use of statistical software.

Prerequisite: BADM 110, MATH 232

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: ECON 141

ECON 343 Managerial Economics 3 cr

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

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 350 Global Business and Economic Issues 3 cr

Examines globalization, economic, political, social, and ecological factors that shape the international market. Specific topics include financial market integration, case studies of individual countries, environmental issues, labor migration, integration across borders of the markets in goods and the factors of production and the consequences of these trends. Emphasis will be placed on the role of government policies in affecting economic outcomes and business conditions.

Prerequisite: ECON 141 and ECON 142

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

Repeatable: Unlimited Credits

ECON 500 Independent Study in Economics 1-3 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

Repeatable: Maximum of 12 credits

Entrepreneurship

ENTR 210 Principles of Entrepreneurship 3 cr

Develops entrepreneurial skills through the integration and application of Design Thinking, Systems Thinking, and Lean Canvas. Working in small groups, students gain an understanding of social entrepreneurship through the application of these tools to identify, refine, and present viable solutions to contemporary challenges facing communities.

ENTR 510 Entrepreneurial Studies Seminar **3 cr**
 Provides a structured environment in which students identify and pursue social entrepreneurship opportunities from the framework of their choice (Design Thinking, Lean Canvas, and Conventional Project Management). Each class will focus on the student's development of a specific aspect of their business plan. Intended for Entrepreneurial Studies minors.
Prerequisite: ENTR 210

Leadership

LEAD 200 Introduction to Leadership **3 cr**
 Describes and compares 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.

LEAD 395 Leadership Practicum **1-3 cr**
 Engages students in leadership and/or service experiences either on or off campus and meets weekly for instructor-led supervision, which comprises the presentation of selected reading topics (e.g. team building) and reflection activities (e.g. journal discussion) in a small group setting.

Prerequisite: Instructor approval
Repeatable: Maximum of 3 credits

LEAD 540 Leadership Internship **1-3 cr**
 Offers students field experience that actively and extensively draws upon the leadership concepts, principles, and skills. The internship must include a strong writing component in which the student interprets their field experience with reference to their leadership.

Prerequisite: Leadership Minor, junior status, Leadership Minor Coordinator approval
Repeatable: Maximum of 15 credits

Business Administration, B.S.

Code	Title	Hours
BADM 100	Explorations in Business	3
BADM 110	Information Technology for Business	3
BADM 201	Business Law I	3
BADM 206	Math Methods in Business and Economics	3
BADM 224	Financial Accounting	3
BADM 225	Managerial Accounting	3
BADM 260	Management	3
BADM 270	Marketing	3
BADM 340	Financial Management	3
BADM 342	Legal and Social Environment of Business	3
BADM 510	Seminar in Business Policy	3
ECON 141	Macroeconomics	3
ECON 142	Microeconomics	3
ECON 316	Statistics for Business and Economics	3
Required Support Course		
COMM 306	Business Writing and Presentation	3
Business Administration Courses ¹		12
Total Hours		57

¹ 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.

Business Administration - Accounting Concentration, B.S.

Code	Title	Hours
BADM 100	Explorations in Business	3
BADM 110	Information Technology for Business	3
BADM 201	Business Law I	3
BADM 206	Math Methods in Business and Economics	3
BADM 224	Financial Accounting	3
BADM 225	Managerial Accounting	3
BADM 260	Management	3
BADM 270	Marketing	3
BADM 340	Financial Management	3
BADM 342	Legal and Social Environment of Business	3
BADM 510	Seminar in Business Policy	3
ECON 141	Macroeconomics	3
ECON 142	Microeconomics	3
ECON 316	Statistics for Business and Economics	3
Accounting Requirements		
BADM 320	Accounting Systems	3
BADM 321	Financial Reporting I	3
BADM 322	Financial Reporting II	3
BADM 330	Cost Accounting	3
BADM 335	Federal Taxation - Individuals	3
BADM 423	Auditing	3
Select one of the following: ¹		3
BADM 421	Advanced Financial Reporting	
BADM 435	Federal Taxation - Entities	
BADM 550	Accounting Internship	
Required Support Course		
COMM 306	Business Writing and Presentation	3
Total Hours		66

¹ 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.

Business Administration - Event & Sport Management Concentration, B.S.

Code	Title	Hours
BADM 100	Explorations in Business	3
BADM 110	Information Technology for Business	3
BADM 201	Business Law I	3
BADM 206	Math Methods in Business and Economics	3
BADM 224	Financial Accounting	3
BADM 225	Managerial Accounting	3
BADM 260	Management	3
BADM 270	Marketing	3

BADM 340	Financial Management	3
BADM 342	Legal and Social Environment of Business	3
BADM 510	Seminar in Business Policy	3
ECON 141	Macroeconomics	3
ECON 142	Microeconomics	3
ECON 316	Statistics for Business and Economics	3

Required Support Course

COMM 306	Business Writing and Presentation	3
Select one of the following Tracks:		18
Event Management Track		
Sport Management Track		

Total Hours 63

Event Management Track

Code	Title	Hours
BADM 240	Issues in Event and Sport Management	3
BADM 366	Team Facilitation	3
BADM 384	Marketing Communications	3
BADM 387	Service and Event Marketing	3
BADM 475	Seminar in Event and Sport Management	3
ECON 377	Economics of Culture and Tourism	3

Total Hours 18

Sport Management Track

Code	Title	Hours
BADM 240	Issues in Event and Sport Management	3
BADM 345	Sport Finance and Economics	3
BADM 386	Sport Marketing	3
BADM 475	Seminar in Event and Sport Management	3
Select two of the following:		6

BADM 346	Athletics Administration	
BADM 366	Team Facilitation	
BADM 384	Marketing Communications	
PSYC 376	Sport Psychology	
SOCI 316	Sociology of Sport	

Total Hours 18

Business Administration - International Business Concentration, B.S.

Code	Title	Hours
BADM 100	Explorations in Business	3
BADM 110	Information Technology for Business	3
BADM 201	Business Law I	3
BADM 206	Math Methods in Business and Economics	3
BADM 224	Financial Accounting	3
BADM 225	Managerial Accounting	3
BADM 260	Management	3
BADM 270	Marketing	3
BADM 340	Financial Management	3
BADM 342	Legal and Social Environment of Business	3
BADM 510	Seminar in Business Policy	3
ECON 141	Macroeconomics	3
ECON 142	Microeconomics	3

ECON 316	Statistics for Business and Economics	3
----------	---------------------------------------	---

International Business Requirements

BADM 325	International Business	3
BADM 385	Global Marketing	3
BADM 415	Global Supply Chain Management	3
ECON 310	International Economics	3
Select two electives of the following:		6

COMM 400	Intercultural Communication	
ECON 340	Money, Banking and Global Financial Markets	
ECON 350	Global Business and Economic Issues	
TRVL 300	Travel Course To:	
or six credits drawn from appropriate History, Political Science, Anthropology, Travel and/or Study Abroad courses ¹		

Required Support Course

COMM 306	Business Writing and Presentation	3
----------	-----------------------------------	---

Total Hours 63¹ Students should discuss these options with their faculty advisor.

Business Administration - Management Concentration, B.S.

Code	Title	Hours
BADM 100	Explorations in Business	3
BADM 110	Information Technology for Business	3
BADM 201	Business Law I	3
BADM 206	Math Methods in Business and Economics	3
BADM 224	Financial Accounting	3
BADM 225	Managerial Accounting	3
BADM 260	Management	3
BADM 270	Marketing	3
BADM 340	Financial Management	3
BADM 342	Legal and Social Environment of Business	3
BADM 510	Seminar in Business Policy	3
ECON 141	Macroeconomics	3
ECON 142	Microeconomics	3
ECON 316	Statistics for Business and Economics	3

Management Requirements

BADM 361	Organizational Behavior	3
BADM 362	Human Resource Management	3
BADM 405	Contemporary Business and Organizational Issues	3
BADM 440/440H	Advanced Leadership	3

Select two of the following: 6

BADM 363	Operations Management	
BADM 365	Labor and Labor Law	
BADM 366	Team Facilitation	
BADM 367	Small Business Entrepreneurship	
BADM 390	Managing Workplace Diversity	
ECON 343	Managerial Economics	

Required Support Course

COMM 306	Business Writing and Presentation	3
----------	-----------------------------------	---

Total Hours 63

Business Administration - Marketing Concentration, B.S.

Code	Title	Hours
BADM 100	Explorations in Business	3
BADM 110	Information Technology for Business	3
BADM 201	Business Law I	3
BADM 206	Math Methods in Business and Economics	3
BADM 224	Financial Accounting	3
BADM 225	Managerial Accounting	3
BADM 260	Management	3
BADM 270	Marketing	3
BADM 340	Financial Management	3
BADM 342	Legal and Social Environment of Business	3
BADM 510	Seminar in Business Policy	3
ECON 141	Macroeconomics	3
ECON 142	Microeconomics	3
ECON 316	Statistics for Business and Economics	3
Marketing Requirements		
BADM 381	Consumer Behavior	3
BADM 382	Marketing Research	3
BADM 384	Marketing Communications	3
Select two of the following:		6
BADM 380	Strategic Marketing	
BADM 385	Global Marketing	
BADM 386	Sport Marketing	
BADM 387	Service and Event Marketing	
Select one departmental elective ¹		3
Required Support Course		
COMM 306	Business Writing and Presentation	3
Total Hours		63

¹ BADM or ECON elective 300 level or higher, which may include any unselected courses above.

Business Administration Minor

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.

Code	Title	Hours
BADM 100	Explorations in Business	3
or ECON 141	Macroeconomics	
BADM 224	Financial Accounting	3
BADM 260	Management	3
BADM 270	Marketing	3
Select two electives from any 300 level or higher department offering for which prerequisites have been met		6
Total Hours		18

Economics Minor

The Economics minor is ideal for students in all majors, including those within and outside the Department of Business Administration and Economics. The minor introduces students to theories of economics

and demonstrates how these and associated analytical and quantitative methods apply to consumer behavior, business decision-making, and the market economy as a whole. To earn a minor in Economics, a student must complete ECON 141, ECON 142, and ECON 316 with a C or better. In addition, students must take nine (9) additional credits in economics courses at the 300 level or higher.

Code	Title	Hours
ECON 141	Macroeconomics	3
ECON 142	Microeconomics	3
ECON 316	Statistics for Business and Economics	3
Select three economics electives at the 300 level or higher		9
Total Hours		18

Entrepreneurship Minor

This 18-credit academic program is designed to introduce students to the concept of entrepreneurship as a means of economic and community development, as well an engine for social good. The coursework introduces students to prevalent frameworks for new business creation, such as the Lean Methodology and Design Thinking, while providing project-based experiences that help them turn ideas into actionable business plans.

Code	Title	Hours
BADM 270	Marketing	3
BADM 367	Small Business Entrepreneurship	3
BADM 395	Accounting for Entrepreneurs	3
or BADM 340	Financial Management	
ENTR 210	Principles of Entrepreneurship	3
ENTR 510	Entrepreneurial Studies Seminar	3
LEAD 200	Introduction to Leadership	3
Total Hours		18

Leadership Minor

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. The minor has three phases: Introduction, Theory, and Application.

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

1. Understand traditional and emergent leadership theories
2. Apply leadership theory to practice
3. Develop, implement, and assess plans for continually improving their leadership skills and abilities

Code	Title	Hours
Introductory Course - Select One		
BADM 260	Management	3
or LEAD 200	Introduction to Leadership	
Theoretical Courses (Select four electives, three must be 300 level or higher, two must be outside students' major area of study) ¹		
AMGT 375	Arts and Culture Leadership	
ATTR 340	Athletic Training Management	
BADM 361	Organizational Behavior	
BADM 366	Team Facilitation	
BADM 390	Managing Workplace Diversity	

BADM 490	Special Topics in Business Administration (as appropriate)	
COMM 396	Public Relations	
HIST 240	Reacting to the Past	
IDST 360	Topics in Culture and Society (as appropriate)	
PHED 300	Fundamentals of Coaching	
PHIL 322	Business Ethics	
POSC 313	American Political Institutions	
POSC 315	Topics in United States Political Science (as appropriate)	
POSC 316	Topics in Global Political Science (as appropriate)	
POSC 323	Political Psychology	
PSYC 230	Social Psychology	
PSYC 335	Organizational Psychology	
SOCI 403	Social Movements	
SOWK 355	Community Organizing	
THEA 370	Collaboration	
Application Course - Select one ²		3
AMGT 445	Community Engagement in Arts & Culture	
BADM 440/440H	Advanced Leadership	
CCAP 300	Capstone Seminar: (Service Leadership)	
LEAD 395	Leadership Practicum	
LEAD 540	Leadership Internship ³	
PSYC 495	Special Topics in Psychology (as appropriate)	
Total Hours		18

BADM 385	Global Marketing	
BADM 386	Sport Marketing (has additional prerequisites)	
BADM 387	Service and Event Marketing	
Total Hours		21

¹ **Note:** With the approval of the Leadership Minor Coordinator, students may obtain elective credit for taking other classes, provided they relate to leadership studies.

² **Note:** With the approval of the Leadership Minor Coordinator, students may obtain Application Course Credit for a 400-level course, provided it has a significant leadership component.

³ **Note:** Students may use an internship in another department in place of LEAD 540 provided that they can demonstrate to the Leadership Minor Coordinator that their on-site work and educational experiential objectives contain a significant leadership component. Students may take any combination of 1-3 credit internships and practica to add to a total of 3 credits. Students may take no more than one internship or practicum per semester.

Marketing Minor

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.

Code	Title	Hours
BADM 100	Explorations in Business	3
BADM 270	Marketing	3
BADM 381	Consumer Behavior	3
ECON 142	Microeconomics	3
Select three of the following:		9
BADM 380	Strategic Marketing	
BADM 382	Marketing Research (has additional prerequisites)	
BADM 384	Marketing Communications	

Chemistry

(413) 662-5177

www.mcla.edu/chem (<http://www.mcla.edu/chem/>)

Chairperson: Carolyn Dehner, Ph.D.

Email: Carolyn.Dehner@mcla.edu

Chemistry Major

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

- Demonstrate knowledge of basic principles and theories in analytical, organic, physical chemistry, inorganic, and biochemistry
- Apply chemical principles through problem solving and laboratory experimentation
- Demonstrate competency in use of sophisticated laboratory instruments
- Students with a Concentration in Biochemistry will also design, implement, and analyze biochemical experiments involving nucleic acids and proteins

Chemistry Minor

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

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

Programs

- Chemistry - Biochemistry Concentration, B.S. (p. 68)
- Chemistry Minor (p. 68)
- Chemistry, B.S. (p. 68)

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

CHEM 152 Introduction to Chemistry II 4 cr

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

Prerequisite: CHEM 150

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

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

Corequisite: 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 1-4 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

Repeatable: Unlimited Credits

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**Corequisite:** 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****1-4 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**Repeatable:** Unlimited Credits**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**Repeatable:** Unlimited Credits**CHEM 500 Independent Study in Chemistry****1-3 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**Repeatable:** Maximum of 12 credits**CHEM 540 Internship in Chemistry****1-15 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**Repeatable:** Maximum of 15 credits

Chemistry majors may pursue initial licensure as a teacher of chemistry for the middle school or secondary levels. Students seeking any of these licenses must complete a chemistry major and a licensure program in education.

Chemistry - Biochemistry Concentration, B.S.

Code	Title	Hours
BIOL 150	Introduction to Biology I: Cells	4
BIOL 360	Biochemistry	3
BIOL 361/361H	Advanced Biochemistry	3
BIOL 410	Biotechniques	4
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
CHEM 250	Inorganic Chemistry	3
CHEM 301	Physical Chemistry I	3
CHEM 310	Analytical Chemistry	4
CHEM 410	Instrumental Methods in Chemistry	3
CHEM 490	Chemistry Seminar	1
MATH 150	Precalculus ¹	3
MATH 220	Calculus I	3
MATH 320	Calculus II	3
PHYS 151	Introduction to Mechanics	4
PHYS 251	Introduction to Electricity & Magnetism	4
Total Hours		61

¹ Optional if student places into MATH 220.

Chemistry Minor

Code	Title	Hours
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
CHEM 310	Analytical Chemistry	4
Select one upper level chemistry elective (excluding seminars and core curriculum courses)		3
Total Hours		23

Chemistry, B.S.

Code	Title	Hours
BIOL 150	Introduction to Biology I: Cells	4
BIOL 360	Biochemistry	3
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
CHEM 250	Inorganic Chemistry	3
CHEM 301	Physical Chemistry I	3
CHEM 302	Physical Chemistry II	3
CHEM 310	Analytical Chemistry	4
CHEM 401	Advanced Laboratory	3

CHEM 410	Instrumental Methods in Chemistry	3
CHEM 490	Chemistry Seminar	1
MATH 150	Precalculus	3
MATH 220	Calculus I	3
MATH 320	Calculus II	3
PHYS 151	Introduction to Mechanics	4
PHYS 251	Introduction to Electricity & Magnetism	4
Total Hours		60

Communications

(413) 662-5371

www.mcla.edu/academics/academic-departments/communications
(https://www.mcla.edu/academics/academic-departments/communications/)

Chairperson: Amber Engelson, Ph.D.

Email: A.Engelson@mcla.edu (A.Engelson@mcla.edu)

Communications Major Program

In the English & Communications Department at MCLA, we educate our students to become effective, adaptable critics and creators of a variety of human discourses - individuals who are comfortable with storytelling across a range of mediums and who want to create stories that inform, entertain, enlighten, and educate. To this end, the department offers a four-year program leading to a Bachelor of Arts in Communications.

Students majoring in Communications think, study, and write about the multifaceted ways people communicate across cultures. Critical thinking, strong writing and multimedia storytelling skills are at the heart of the Communications major. Courses typically combine hands-on media production with theory across digital media platforms. The Foundation of the program gives students a broad background in media theory and practice, with opportunities to explore forms of storytelling across different media and across cultures. Beyond the Foundation, students choose one or more of the following concentrations: Broadcast Media, Digital Media Innovation, Journalism, or Public Relations & Corporate Communications.

Students graduating with a major in Communications will be able to:

- Communicate effectively in oral, written, and other forms of discourse;
- Employ relevant technologies in the production, critique, and presentation of texts;
- Demonstrate an ability to work effectively in collaborative learning and problem-solving environments;
- Craft thoughtful, creative texts that demonstrate a keen sensitivity to language, form, style, and effect;
- Analyze texts closely and critically, demonstrating how languages, style, form, and genre create effects and shape meanings;
- Articulate an understanding of how cultural, historical, and ideological contexts condition both the creation and the reception of texts across time and in today's complex, diverse world;
- Use various critical methods and theoretical frameworks in scholarly dialogue with others about the interpretations of texts;
- Design and conduct research, applying it to problem-solving and contributing to various forms of public discourse;
- Reflect on how the knowledge and abilities developed in the English/Communications Department transfer meaningfully to other academic and non-academic, real-world situations.

Programs

- Communications - Broadcast Media Concentration, B.A. (p. 77)
- Communications - Digital Media Innovations Concentration, B.A. (p. 77)
- Communications - Journalism Concentration, B.A. (p. 77)

- Communications - Public Relations & Corporate Communications Concentration, B.A. (p. 78)

Code	Title	Hours
COMM 200	Communication Research and Methods	3
COMM 201	Media Writing and Production	3
COMM 211	Introduction to Mass Media	3
Select one of the following Literature Studies courses:		3
ENGL 221	Literary Journalism	
ENGL 250	Introduction to Literature	
ENGL 265	Literary Theme	
ENGL 270	Literary Genre	
OR one 200-level or above foreign language course		
Select two of the following Media Practice in Context courses: ¹		6
COMM 205	Introduction to Photography	
COMM 212	Audio Production	
COMM 214	Basic TV Production: Theory and Practice	
COMM 312	Radio Practicum	
COMM 314	Advanced TV Production: Theory and Practice	
COMM 321	News Media Practicum	
COMM 323	Publication Design and Typography	
COMM 337	Advanced Photography	
COMM 338	Photojournalism	
COMM 427	Senior News Media Practicum	
ENGL or COMM writing course (200 level or above)		
Select one of the following Media & Cultural Studies courses:		3
COMM 204	Media Self-Identity & Society	
COMM 410	From Semiotics to Significations	
ENGL 231	The Power of Words	
ENGL 331	The Story of English	
ENGL/COMM Upper-Level literature or film analysis course		
COMM 490	Senior Seminar	3
Total Hours		24

¹ One must be a writing course, must be different from concentration/track required course

Communications

COMM 200 Communication Research and Methods **3 cr**

Develops knowledge about the role of communication research in academic and professional disciplines, preparing students to better analyze data and critically engage with research findings. It introduces quantitative, qualitative, and combined communication research methods so students can begin primary research of their own.

COMM 201 Media Writing and Production **3 cr**

Introduces students to multiple ways of storytelling through various types of writing and working with audio, video, and interactive media. Students become familiar with audio and video recording and editing, as well as producing stories for the Web. Introduces script writing and storyboarding as part of an overall emphasis on clear and engaging writing within creative writing and journalistic frameworks.

- COMM 204 Media Self-Identity & 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 and theories that explore identity through analyzing meanings in media and social/cultural texts. It questions how these develop across history and questions identity in everyday common sense discourse and its relationships to media and society at local and global levels.
Attributes: Core Self & Society (CSS)
- COMM 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.
- COMM 211 Introduction to Mass Media** 3 cr
Surveys the range of types of communication, focusing on the context of mediated mass media and their characteristics, history, evolution and the socio-cultural forces that shape them including newspapers, magazines, film, radio, television and the Internet.
- COMM 212 Audio Production** 3 cr
Introduces students to the recording and editing practices involved in producing audio stories. Explores the range of programming, both live and recorded, for an FCC-licensed non-commercial radio station. Includes news, music shows, interviews and sports. Students produce live and recorded shows for WJJW, MCLA's radio station. Adobe Audition is used for digital recording and editing.
- COMM 214 Basic TV Production: Theory and Practice** 3 cr
Examines how digital video and audio and writing help produce effective storytelling in television production. Develops theoretical and practical knowledge of television production in both studio and in-the-field settings while also considering the audience. Students work on individual and group projects that include basic level introduction to cameras, audio, Avid editing, control room technologies and studio protocols.
- COMM 220 Media Theories** 3 cr
Examines the key themes among media theories and how they help explain important aspects of modern and postmodern society, including political, social, and cultural life, means of communication, and the changes between audiences and media institutions in the digital world. Students will learn about media effects, medium theory, symbolic interactionism and structuration, political economy, critical theory, feminism and gender studies, and postmodernity and the information society.
- COMM 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.
- COMM 281 Special Topics in Communications** 3 cr
Studies introductory topics in media production and/or mass communications. Designed to provide foundational frameworks in communication subjects, including but not limited to media analysis, interpretation, research, media production, and media-specific writing. Content identified by subtitle.
- COMM 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: COMM 239
- COMM 306 Business Writing and Presentation** 3 cr
Provides practice in writing strong, clear, and creative business communication.
- COMM 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. .
- COMM 310 Avid Editing** 3 cr
Learning basic video and audio editing, this course teaches students the fundamental skills of Avid Media Composer and knowledge about networked server-systems. The course also grounds students in understanding the editing software; learning about inputting media, trimming, the smart tool, customization; and organization as well as examining the crucial area of sound in significant detail. Special effects along with titles and color correction are also examined.
Prerequisite: COMM 214
- COMM 312 Radio Practicum** 1-6 cr
Teaches the daily operation of an FCC-licensed non-commercial educational radio station, WJJW, 91.1 FM. Topics include compliance with FCC regulations, digital streaming copyright, use of Adobe Audition for advanced audio recording and editing, producing live and recorded shows for broadcast, and producing news and interview shows and podcasts. A weekly live on-air shift is part of the class requirements. Students may assume management positions at WJJW. Repeatable for a max of 15 credits.
Repeatable: Maximum of 15 credits
- COMM 314 Advanced TV Production: Theory and Practice** 3 cr
Develops advanced understanding about written, video and audio communicative elements in either broadcasting or documentary forms via practical and theoretical applications of television production. Via group work in the studio and in-the-field projects, specialized attention to program form facilities understanding about different journalism and storytelling practices. Students write stories at more advanced level and use technologies that are more complex in filming, editing and studio work.
Prerequisite: COMM 214
- COMM 315 Social Media Strategies** 3 cr
Gives students a broad-based understanding of the fundamental trends and dynamics taking place in the digital media landscape today. Students learn about new measurement metrics, how to conduct social media campaigns, and are able to practice skills that they can use when working in a range of organizations that utilize digital and social media. Guest speakers from the industry are invited, and we work with real-world clients that want to have strategic media campaigns.
- COMM 316 Broadcast Delivery** 3 cr
Focuses on the analysis and development of techniques and skills needed for performance of news, commercials, editorials and live reporting. Also emphasizes voice quality, diction and presentational skills and culminates in the production of professional audition videotapes.

<p>COMM 319 Global Issues in Communication 3 cr Studies in depth a specific aspect of global communication and provides the students a general knowledge of the geopolitical issues of international communication, including technological, economic and political/ideological patterns. Prerequisite: COMM 211 Attributes: Cross-Cultural and Social Justice (CCSJ)</p>	<p>COMM 396 Public Relations 3 cr Introduces students to the broad career area of public relations. Principles, cases and problems of public relations will be studied through contact with local organizations. Topic areas include internal communications systems, applications of mass communications, researching public opinions and social responsibilities. Prerequisite: COMM 239 or COMM 211</p>
<p>COMM 321 News Media Practicum 1-6 cr Concentrates on writing, editing, and producing news stories in a convergent newsroom. Fills the junior staff position of the college newspaper to refine writing, design, and editing skills in print, video, audio, and online, as well as advertising sales and public relations for the Beacon. Repeatable for a max of 15 credits. Prerequisite: COMM 239 and instructor approval Repeatable: Maximum of 15 credits</p>	<p>COMM 400 Intercultural Communication 3 cr Studies in depth the role culture plays in the communication process in various world cultures including Africa, Asian and Central American. Also examines the cultural differences in language, thought patterns and non-verbal behaviors. Prerequisite: Junior/senior status Attributes: Cross-Cultural and Social Justice (CCSJ)</p>
<p>COMM 323 Publication Design and Typography 3 cr Studies contemporary layouts and design principles, with special emphasis on creating and integrating logos, content, typography and design for visually appealing communications packages. Includes basic typography and an overview of printing processes. Students create layouts for flyers, brochures, newsletters, newspapers, and magazines, and learn Adobe Illustrator, Photoshop, and InDesign.</p>	<p>COMM 405 Data Journalism & Infographics 3 cr Teaches how to do in-depth research with large datasets and how to find stories from numbers, crucial skills for today's journalists. Relevant statistical and computer-assisted reporting (CAR) techniques are learned and applied to stories, and software and apps are used to create powerful and meaningful data visualizations and infographics to accompany stories. Previous experience with statistics and design or production software is helpful, but not necessary. Prerequisite: COMM 239 and COMM 339</p>
<p>COMM 324 Broadcast Journalism 3 cr Emphasizes investigative reporting as it relates to gathering, writing and presenting news and documentary for television. Also examines the practical and theoretical concepts of electronic news gathering (ENG) and electronic field production (EFP) including analysis of broadcast journalism standards. Prerequisite: COMM 214 and instructor approval</p>	<p>COMM 410 From Semiotics to Significations 3 cr Develops knowledge about the field of semiotics from its inception to the contemporary practice of reading significations. Focusing upon reading signs/meanings across different media and culture, students learn about symbolic activities and different interpretative models and analytical approaches. These include: de Saussure, Peirce, Burke, Marx, Freud, Lacan, Irigaray, Gramsci, Laclau and Mouffe, Levi-Strauss, Barthes, Althusser, Foucault, Williams, Hall and Lash and Urry.</p>
<p>COMM 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.</p>	<p>COMM 415 Media Meaning-Making: Theory/Practice 3 cr Explores theory about genre and meaning-making practices across television. Focusing upon media history the course critically reviews transformations to television genres in drama, documentary, documentary-drama, comedy, news and reality TV. Concentrating on the development of genre the course examines how the nature of meanings have changed giving further attention to animation, popular entertainment forms like soap operas and video on demand. Prerequisite: COMM 211 and junior/senior status</p>
<p>COMM 337 Advanced Photography 3 cr Builds upon skills learned in Introduction to 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: COMM 205</p>	<p>COMM 420 Public Relations and Crisis Management 3 cr Provides an in-depth look into the Public Relations area of crisis management. Through case-book studies, other texts, and media portrayals, students will learn how communications experts conduct themselves in critical situations, and the ethical and other considerations involved. Students will conduct extensive research into the area in order to enhance their own knowledge of the subject. Prerequisite: COMM 211</p>
<p>COMM 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: COMM 205</p>	<p>COMM 427 Senior News Media Practicum 3-12 cr Focuses on editorial and management roles of the campus newspaper in a convergent newsroom, 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 and its online properties for the purpose of expanding skills in team management and producing news. Prerequisite: COMM 321 and instructor approval Repeatable: Maximum of 12 credits</p>
<p>COMM 339 Writing and Reporting the 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: COMM 239</p>	

<p>COMM 481 Advanced Special Topics in Communications 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status</p>	<p>ENGL 207 Introduction to American Ethnic Studies 3 cr</p> <p>Explores the methodological and thematic evolution of American and Ethnic Studies. We will ask: Who is an American? What does it mean to be American? We will approach this task through a critical vantage point that considers the impacts of race, class, gender, and sexuality on "Americanness." We will also explore how economics, empire, racism, transnationalism, and imperialism all impact our definitions of "Americanness."</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Core Human Heritage (CHH)</p>
<p>COMM 490 Senior Seminar 3 cr</p> <p>Provides a departmental 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 communication and media, and together the students, polling their special knowledge in these areas, respond to the specific theme, concept, or topic.</p> <p>Prerequisite: Communication major</p>	<p>ENGL 208 Experiments in Creative Writing 3 cr</p> <p>Initiate new storytelling practices inspired by historic literary movements and contemporary writers. The goal is not to perfect stable pieces but to move our writing (fiction, creative nonfiction, and poetry) around, via formal conditions, limits, and games.</p> <p>Attributes: Core Creative Arts (CCA)</p>
<p>COMM 493 Teaching Assistantship in Communications 1-3 cr</p> <p>Provides the opportunity for a student to assist in preparation and implementation of a communications course. Course may be repeated for a total of 6 credits.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 6 credits</p>	<p>ENGL 210 Essentials of Film 3 cr</p> <p>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.</p> <p>Attributes: Core Creative Arts (CCA)</p>
<p>COMM 500 Independent Study 3 cr</p> <p>Open to juniors and seniors who wish to read in a given area or to study a topic in depth within the fields of communications, media writing and production, or media and cultural studies. Written reports and frequent conferences with the advisor are required.</p> <p>Prerequisite: Department approval and junior/senior status</p> <p>Repeatable: Maximum of 12 credits</p>	<p>ENGL 221 Literary Journalism 3 cr</p> <p>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.</p>
<p>COMM 540 Internship in Communications 1-15 cr</p> <p>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.</p> <p>Prerequisite: Department approval and junior/senior status</p> <p>Repeatable: Maximum of 15 credits</p>	<p>ENGL 231 The Power of Words 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS), Leadership Minor (LDRS)</p>
<h2>English</h2>	
<p>ENGL 100 College Writing I 3 cr</p> <p>Explores the writing process, providing practical strategies and techniques. Emphasis is on constructing texts with attention to various levels of organization and development.</p>	<p>ENGL 250 Introduction to Literature 3 cr</p> <p>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.)</p> <p>Attributes: Core Creative Arts (CCA)</p>
<p>ENGL 150 College Writing II 3 cr</p> <p>Emphasizes college-level writing, reading, research and revision practices necessary for 21st century academic and civic engagement. Teaches students to use a variety of genres, rhetorical techniques, and sources of evidence to reach academic and civic audiences.</p> <p>Prerequisite: ENGL 100</p> <p>Attributes: Critical Reading, Thinking, Writing (CWR)</p>	<p>ENGL 250H Honors: Introduction to Literature 3 cr</p> <p>Seeks to develop each students' 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.</p> <p>Attributes: Core Creative Arts (CCA), Honors Program (HONR)</p>
<p>ENGL 202 The Personal Essay 3 cr</p> <p>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.</p>	

ENGL 265 Literary Theme

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.

Attributes: Core Human Heritage (CHH)

Repeatable: Unlimited Credits

3 cr

ENGL 270 Literary Genre

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.

Attributes: Core Creative Arts (CCA)

Repeatable: Unlimited Credits

3 cr

ENGL 300 Creative Writing: Fiction

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.

3 cr

ENGL 301 Creative Writing: Poetry

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.

3 cr

ENGL 302 Creative Writing: Scripts

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.

3 cr

ENGL 303 Writing Prose

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.

3 cr

Repeatable: Unlimited Credits

ENGL 304 Creative Writing: Playwriting

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.

3 cr

ENGL 308 Writing Associate Workshop

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.

3 cr

Prerequisite: ENGL 150, permission of instructor

3 cr **ENGL 313 Global Anglophone Language and Literature** 3 cr

Analyzes Global Anglophone Literature and Postcolonial theory with a particular focus on writing from and about Africa, the Caribbean, and India. Discussions will center on questions of language, representation, and form. We will explore the various aesthetic strategies and techniques employed by writers to communicate contemporary postcolonial themes, such as neocolonialism, globalization, nationalism, imperialism, feminism, migration, hybridity, and diaspora.

Prerequisite: ENGL 250

Attributes: Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)

ENGL 315 Constructing the Short Film

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.

3 cr

ENGL 331 The Story of English

Examines English as the global language of power from the Anglo-Saxon era to today's digitally-connected world and the ways it has been continually transformed by the diverse racial and ethnic communities who have used it. Students explore English's complexity by engaging with multiple genres across a diversity of research traditions, from creative non-fiction, to historical research, to contemporary scholarship in the fields of Writing Studies, Linguistics, and Comparative Rhetorics.

3 cr

Prerequisite: ENGL 250

ENGL 340 Literature and Society

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.

3 cr

Prerequisite: ENGL 250

ENGL 341 Hybrid Poetics

Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.

3 cr

Prerequisite: Junior/senior status

ENGL 341H Honors: Hybrid Poetics

Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.

3 cr

Prerequisite: Junior/senior status

Attributes: Honors Program (HONR)

- 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
- ENGL 351 William Shakespeare** 3 cr
Considers such works as the Sonnets, *Midsummer Night's Dream*, *Measure for Measure* and *The Tempest*.
Prerequisite: ENGL 250
- ENGL 353 Hawthorne and Melville** 3 cr
Studies the chief works of Nathaniel Hawthorne and Herman Melville with particular attention to their innovations in American letters. Includes such works as *Typee*, *Moby-Dick*, *Billy Budd*, *The Scarlet Letter*, and *The Tanglewood Tales*.
Prerequisite: ENGL 250
- 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
- ENGL 363 Travel Writing** 3 cr
Examines a variety of travel literatures across multiple modes and genres - including essay, poetry, memoir and fiction - in order to spur students' own writing and thinking processes about how "traveling" happens, from the local to the global. Students explore not only the personal, ethical and ethnographic dimensions of travel, but will create exploratory texts that move and rove, cross borders, pitch questions and field discoveries in which the reader can participate as traveling companion.
- 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
- ENGL 367 The Beat Generation** 3 cr
Explores the literature of the Beat Generation, including its antecedents, influences, and lasting legacy. Authors include Ginsberg, Kerouac, Burroughs, Corso, Snyder, McClure, Ferlinghetti, DiPrima, Baraka, Cassady, Johnson, Jones, Bob Dylan, and others.
Prerequisite: ENGL 250
- ENGL 368 The Age of Milton** 3 cr
Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Samson Agonistes," and "Paradise Lost".
Prerequisite: ENGL 250
- ENGL 368H Honors: The Age of Milton** 3 cr
Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Sampson Agonistes," and "Paradise Lost".
Prerequisite: ENGL 250
Attributes: Honors Program (HONR)
- ENGL 371 The American Renaissance** 3 cr
Surveys texts from such authors as Emerson, Dickinson, Thoreau, Alcott, Fuller, Melville, Hawthorne, Whitman, Douglas.
Prerequisite: ENGL 250
Attributes: Environmental Studies (ENVI)
- 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)
Attributes: Additional Fees Apply (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.
Prerequisite: ENGL 250, sophomore status, instructor approval (Students pay travel fee)
Attributes: Additional Fees Apply (FEE), Honors Program (HONR)
- ENGL 374 Literature and the Environment** 3 cr
Explores, through literary study, the variety of ways that human beings have regarded our relationship to nature and the environment. Examines some of the many cultural factors conditioning these views, as well as the impact on the environment-and us-when these views are put into practice.
Prerequisite: ENGL 250
Attributes: Environmental Studies (ENVI)
- 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
- 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 381 African American Literature** 3 cr
Surveys texts drawn from such writers as Hughes, Dubois, Wright, Morrison, Giovanni, Reed, Douglas, etc.
Prerequisite: ENGL 250
Attributes: Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)

- 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.
Prerequisite: ENGL 250
Attributes: Cross-Cultural and Social Justice (CCSJ)
- ENGL 388 Visions and Voices: American Ethnic Literature and Art** 3 cr
Explores a range of works (fiction, poetry, memoir, photography, music, painting, news media) from American ethnic writers and artists of the twentieth-century and beyond. This course critically examines the cross-section of ethnicity and creative expression as it applies to questions of American identity. Topics include systemic oppression, nationhood, immigration, marginalization, intersectionality, cultural hybridity, intergenerational trauma and survival, border crossing, and heritage.
Prerequisite: Junior/senior status
Attributes: Women Gender Sexuality Studies (WMST)
- 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: ENGL 250
Repeatable: Unlimited Credits
- ENGL 392 Queer Identity in Contemporary Literature** 3 cr
Explores representations of queer identity by contemporary writers working in a variety of literary genres including short and novel-length fiction, the graphic novel, poetry, and memoir. Authors may include David Leavitt, Jeanette Winterson, Olga Broumas, Colm Toibin, Raphael Campo, Alan Hollinghurst, Leslie Fienberg, Mark Wunderlich, Alison Bechdel, or Michelle Tea.
Prerequisite: ENGL 250
Attributes: Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)
- ENGL 393 Faulkner and the Global South** 3 cr
Explores the reciprocal resonances between the writing of white southern modernist, William Faulkner, and the diverse literatures coming out of the Global South. Examines the ways in which Global South writers use experimental poetics to continue Faulkner's project and tell the stories of colonialism from the neocolonial present.
Prerequisite: ENGL 250
- 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 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
Repeatable: Unlimited Credits
- ENGL 401 Open Up: Community Dialogue Workshop** 3 cr
A high-impact, community-based learning course that puts students directly in the classroom, leading discussions on important topics, such as race, gender, sexuality, identity, and community. The course centers theoretical and pedagogical discussions grounded in books and articles, such as *The New Jim Crow* and *White Fragility*, as well as documentary films, exploring power, society, and identity. Student groups will then develop workshops and partner with local high schools.
Prerequisite: Junior/senior status
- ENGL 410 Special Topics in Creative Writing** 3 cr
Explores new forms, genres, and approaches to the craft of creative writing for advanced students looking to further their creative and critical artistic practices. Content identified by subtitle. Primarily for majors in the junior and senior year.
Prerequisite: Junior/senior status
Repeatable: Unlimited Credits
- 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
Repeatable: Unlimited Credits
- 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
- 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
- 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
Repeatable: Unlimited Credits
- 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

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

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.
Prerequisite: ENGL 250

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
Repeatable: Unlimited Credits

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
Repeatable: Maximum of 6 credits

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

ENGL 500 Independent Study 1-3 cr
 Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior/senior status, department approval
Repeatable: Maximum of 12 credits

ENGL 540 Internship in English 1-15 cr
 Provides a practical, hands-on field experience to supplement classroom courses. The student works with an on-campus faculty advisor and usually with an on-site supervisor, and the two jointly evaluate the student's work.
Prerequisite: Junior/senior standing, department approval
Repeatable: Maximum of 15 credits

Communications - Digital Media Innovations Concentration, B.A.

Code	Title	Hours
Communications Major Foundation Courses (p. 70)		24
Departmental electives (ENGL or COMM courses)		6
COMM 214	Basic TV Production: Theory and Practice	3
or COMM 310	Avid Editing	
COMM 315	Social Media Strategies	3
COMM 323	Publication Design and Typography	3

COMM 405	Data Journalism & Infographics	3
or COMM 481	Advanced Special Topics in Communications	
Select two electives of the following (some require prerequisites):		6
ART 204	Digital Media	
BADM 110	Information Technology for Business	
COMM 205	Introduction to Photography	
COMM 212	Audio Production	
COMM 220	Media Theories	
COMM 312	Radio Practicum	
COMM 481	Advanced Special Topics in Communications	
COMM 493	Teaching Assistantship in Communications	
COMM 500	Independent Study	
COMM 540	Internship in Communications	
CSCI 121	Programming in Java I	
CSCI 208	Graphics I	
CSCI 236	Web Development	
CSCI 288	Web Page Design	

Total Hours 48

Communications - Broadcast Media Concentration, B.A.

Code	Title	Hours
Communications Major Foundation Courses (p. 70)		24
Department Electives		6
COMM 214	Basic TV Production: Theory and Practice	3
COMM 312	Radio Practicum ¹	3
COMM 314	Advanced TV Production: Theory and Practice	3
or COMM 324	Broadcast Journalism	
COMM 415	Media Meaning-Making: Theory/Practice	3
Two electives at 200 level or above:		6
COMM 212	Audio Production	
COMM 316	Broadcast Delivery	
COMM 319	Global Issues in Communication	
COMM 324	Broadcast Journalism	
COMM 481	Advanced Special Topics in Communications (by subject)	
COMM 493	Teaching Assistantship in Communications	
COMM 500	Independent Study	
COMM 540	Internship in Communications	
ENGL 302	Creative Writing: Scripts	

Total Hours 48

¹ Course can be repeated.

Communications - Journalism Concentration, B.A.

Code	Title	Hours
Communications Major Foundation Courses (p. 70)		24
Department Electives		6
COMM 239	Writing and Reporting the News I	3
COMM 305	Magazine Writing and Editing	3
or COMM 328	Issues in Journalism	
COMM 321	News Media Practicum	1-6
COMM 339	Writing and Reporting the News II	3
Two communications electives at 200-level or above:		6

COMM 205	Introduction to Photography
COMM 305	Magazine Writing and Editing
COMM 315	Social Media Strategies
COMM 323	Publication Design and Typography
COMM 328	Issues in Journalism
COMM 337	Advanced Photography
COMM 338	Photojournalism
COMM 405	Data Journalism & Infographics
COMM 427	Senior News Media Practicum ¹
COMM 481	Advanced Special Topics in Communications (by subject - may be repeated)
COMM 493	Teaching Assistantship in Communications
COMM 500	Independent Study
COMM 540	Internship in Communications
ENGL 221	Literary Journalism
Total Hours	46-51

¹ Course can be repeated.

Communications - Public Relations & Corporate Communications Concentration, B.A.

Code	Title	Hours
Communications Majors Foundation Courses (p. 70)		24
Department Electives		6
COMM 239	Writing and Reporting the News I	3
COMM 306	Business Writing and Presentation	3
COMM 323	Publication Design and Typography	3
or COMM 420	Public Relations and Crisis Management	
COMM 396	Public Relations	3
Select two communications electives at the 200 level or above of the following:		6
BADM 270	Marketing	
BADM 384	Marketing Communications	
COMM 212	Audio Production	
COMM 214	Basic TV Production: Theory and Practice	
COMM 321	News Media Practicum	
COMM 500	Independent Study	
COMM 540	Internship in Communications	
Total Hours		48

Computer Science and Information Systems

(413) 662-5595

www.mcla.edu/csci (<http://www.mcla.edu/csci/>)

Chairperson: David Eve, Ed.D.

Email: D.Eve@mcla.edu

Computer Science Major

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 computer science minor for the following concentrations: business information systems, electrical engineering, information and technology, or software development.

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 major 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.

Programs

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

- Business Information Systems Minor (p. 82)
- Computer Science - Bioinformatics Concentration, B.S. (p. 82)
- Computer Science - Business Information Systems Concentration, B.S. (p. 82)
- Computer Science - Electrical Engineering Concentration, B.S. (p. 82)
- Computer Science - Information Technology Concentration, B.S. (p. 83)
- Computer Science - Software Development Concentration, B.S. (p. 83)
- Electrical Engineering Minor (p. 83)

- Information Technology Minor (p. 83)
- Software Development Minor (p. 83)

CSCI 101 First Year Computer Science Seminar 3 cr

Introduces students to the skills needed to navigate the computer science concentrations. In addition, Computer Science majors are introduced to various topics used throughout the curriculum. Topics include computer hardware, operating systems, file types, protocols, and networking.

CSCI 110 Electrical Engineering Principles 3 cr

Provides students with an understanding of topics in the CSCI Electrical Engineering Concentration, and reinforces students' problem-solving skills using foundational tools from mathematics and physics. Topics include conversion of units, linear equations, complex numbers, vectors, and wave functions, at the instructor's discretion.

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.

CSCI 122 Programming in Java II 3 cr

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

Prerequisite: CSCI 121

CSCI 208 Graphics I 3 cr

Provides a broad overview of computer graphics. Students will use proprietary and open source software to integrate images and text. The course includes demonstrations, lectures, presentations and hands-on projects. It is expected that students will have access to a digital camera and that students will work with their own images.

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.

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

<p>CSCI 235 Digital Circuit Design 3 cr</p> <p>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.</p>	<p>CSCI 302 Computer Triage 3 cr</p> <p>Intended for computer science majors. Topics include: troubleshooting, problem solving and maintaining network hardware and software. Prerequisite: CSCI 101</p>
<p>CSCI 236 Web Development 3 cr</p> <p>Emphasizes the client side tools and techniques used to develop web applications. Topics include Java Script, 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.</p>	<p>CSCI 308 Graphics II 3 cr</p> <p>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</p>
<p>CSCI 240 Introduction to Robotics 3 cr</p> <p>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.</p>	<p>CSCI 318 Computer Organization and Assembly Language 3 cr</p> <p>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</p>
<p>CSCI 243 Database Development 3 cr</p> <p>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.</p>	<p>CSCI 328 Object Oriented Design 3 cr</p> <p>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 122</p>
<p>CSCI 246 Programming in C# 3 cr</p> <p>Introduces the concepts of program development using the C# programming language. This course focuses on an introduction to the Visual Studio development environment, simple variables, control structures, and an introduction to object-oriented concepts.</p>	<p>CSCI 330 Programming in C++ 3 cr</p> <p>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 121</p>
<p>CSCI 247 Introductory Topics in Computing 3 cr</p> <p>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. Repeatable: Unlimited Credits</p>	<p>CSCI 332 Systems Analysis and Design 3 cr</p> <p>Introduces the students to Systems Analysis and Design. This is a hands-on course in which students learn and apply information gathering techniques, systems analysis techniques, systems design techniques and process, as well as systems implementation. Working as teams, students will analyze, design, and develop portions of a computer based information system. Prerequisite: CSCI 243</p>
<p>CSCI 248 Programming in C# II 3 cr</p> <p>Continues the study of program development using the C# programming language. Intended for business information majors, this course focuses on advanced C# concepts including structured variables, additional control structures, object creation, code reuse and dynamic storage allocation. Prerequisite: CSCI 246</p>	<p>CSCI 336 Advanced Web Development 3 cr</p> <p>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</p>
<p>CSCI 271 Electric Circuit Design I 3 cr</p> <p>Analysis of electrical networks incorporating passive elements. Topics include Ohm's Law, Kirchhoff' Laws, and techniques of circuit analysis. Prerequisite: CSCI 110</p>	<p>CSCI 340 Robotics Development 3 cr</p> <p>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. This course may be repeated for a maximum of 9 credits. Prerequisite: CSCI 122, or CSCI 235, or CSCI 240, or PHYS 251 Repeatable: Maximum of 9 credits</p>
<p>CSCI 272 Electric Circuit Design II 3 cr</p> <p>Continues passive circuit elements and introduces the students to active components. Topics include Bipolar Junction Transistors, forced response of linear circuits, Operational Amplifiers, and biasing. Prerequisite: CSCI 271</p>	
<p>CSCI 288 Web Page Design 3 cr</p> <p>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.</p>	

<p>CSCI 343 Full Stack Development Focuses on the development of web-based applications. This course merges the concepts learned in Web Development and Database Development to form traditional persistent multi-tiered web-based systems. Prerequisite: CSCI 121, CSCI 236, CSCI 243</p>	3 cr	<p>CSCI 363 Network Security II 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</p>	3 cr
<p>CSCI 346 Programming in Visual Studio Applies programming concepts to the languages found in the Visual Studio programming environment. This course is intended for students who have studied another programming language. Topics include syntax, data structures, graphics and GUI applications in a Windows environment. Prerequisite: CSCI 121 or CSCI 246</p>	3 cr	<p>CSCI 371 Advanced Circuit Design Continues the study of circuit design. Covers topics including linear power converters, Field Effect Transistors, switching converters, charge pumps, and Pulse Width Modulation. Prerequisite: CSCI 272</p>	3 cr
<p>CSCI 347 Intermediate Topics in Computing 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 Repeatable: Unlimited Credits</p>	3 cr	<p>CSCI 373 Electronic Fabrication Introduces the student to the many skills that are required to create new electronic devices. Topics include soldering, enclosure design, circuit board design, mounting, and physical interfaces. Prerequisite: CSCI 371</p>	3 cr
<p>CSCI 350 Introduction to Parallel Computing 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</p>	3 cr	<p>CSCI 374 Control Systems Teaches the fundamentals of control systems. Topics include proportional controllers, PID controllers, and noise. Prerequisite: MATH 320</p>	3 cr
<p>CSCI 352 Business Information Systems Provides an examination of business information systems that apply to all strata of organizations. The course will view organizations as information systems and demonstrate how computers are integrated in these organizations. Students will engage in service learning projects and gain practical experience off-campus, solving real problems for various companies. Prerequisite: CSCI 332</p>	3 cr	<p>CSCI 390 Junior Seminar Ensures that students are prepared for their senior year of study in Computer Science. 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: Computer Science junior status</p>	1 cr
<p>CSCI 360 Network Security I 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 210</p>	3 cr	<p>CSCI 408 Graphics III 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</p>	3 cr
<p>CSCI 361 Data Structures and Algorithms 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</p>	3 cr	<p>CSCI 420 Bioinformatics 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 computer. Prerequisite: CSCI 243, BIOL 240 and junior/senior status</p>	3 cr
<p>CSCI 362 Operating Systems 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</p>	3 cr	<p>CSCI 441 Teaching Assistant in Computer Science 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 Repeatable: Maximum of 6 credits</p>	3 cr
		<p>CSCI 447 Advanced Topics in Computing 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 Repeatable: Unlimited Credits</p>	3 cr

CSCI 452 Software Engineering 3 cr

Prepares students for work in industry. This course introduces students to modern tools and approaches that will allow them to design professional quality software.

Prerequisite: CSCI 343, CSCI 390

CSCI 461 Senior Project 3 cr

Applying skills and knowledge developed as part of their computer science concentration, students plan, design, develop, deliver, and present a substantial professional quality project of their choosing. Over the course of the semester, students will work closely with a faculty advisor during all stages of their project development.

Prerequisite: Computer Science senior status

CSCI 462 Senior Seminar 1 cr

Prepares students for their final semester and employment thereafter in the following ways: It is writing intensive, and it prepares students for the job search process through the development of their resumes, learning portfolio, job search strategy, and interviewing skills.

Prerequisite: Computer Science senior status

CSCI 475 Communication Systems 3 cr

Introduces the students to the design and analysis of electronic communications equipment. Topics include communication of information over noisy channels. Amplitude, phase, and frequency modulation. Random process and analysis of communication systems in noise, and elements of digital communication systems.

Prerequisite: MATH 320

CSCI 500 Independent Study 1-3 cr

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

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

CSCI 540 Internship in Computer Science 3-12 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

Repeatable: Maximum of 15 credits

Business Information Systems Minor

Code	Title	Hours
CSCI 246	Programming in C#	3
or CSCI 121	Programming in Java I	
CSCI 243	Database Development	3
CSCI 332	Systems Analysis and Design	3
CSCI 346	Programming in Visual Studio	3
CSCI 352	Business Information Systems	3
CSCI Electives (any level)		6
Total Hours		21

Computer Science - Bioinformatics Concentration, B.S.

Code	Title	Hours
BIOL 150	Introduction to Biology I: Cells	4
BIOL 160	Introduction to Biology II: Organisms	4
BIOL 240	Genetics	4
BIOL 390	Biometry	3

BIOL 410	Biotechniques	4
CSCI 101	First Year Computer Science Seminar	3
CSCI 121	Programming in Java I	3
CSCI 122	Programming in Java II	3
CSCI 243	Database Development	3
CSCI 330	Programming in C++	3
CSCI 350	Introduction to Parallel Computing	3
CSCI 361	Data Structures and Algorithms	3
CSCI 362	Operating Systems	3
CSCI 420	Bioinformatics	3
CSCI 461	Senior Project ¹	3
CSCI 462	Senior Seminar ¹	1
MATH 250	Discrete Mathematics	3

Total Hours 53

¹ Senior project must be related to bioinformatics and must be co-advised by Computer Science and Biology faculty.

Computer Science - Business Information Systems Concentration, B.S.

Code	Title	Hours
BADM 110	Information Technology for Business	3
BADM 206	Math Methods in Business and Economics	3
BADM 224	Financial Accounting	3
BADM 260	Management	3
or BADM 270	Marketing	
300-Level BADM Elective		3
COMM 306	Business Writing and Presentation	3
CSCI 101	First Year Computer Science Seminar	3
CSCI 210	Networking Theory and Administration I	3
CSCI 236	Web Development	3
CSCI 243	Database Development	3
CSCI 246	Programming in C#	3
or CSCI 121	Programming in Java I	
CSCI 332	Systems Analysis and Design	3
CSCI 346	Programming in Visual Studio	3
CSCI 352	Business Information Systems	3
CSCI 390	Junior Seminar	1
CSCI 461	Senior Project	3
CSCI 462	Senior Seminar	1
CSCI 347	Intermediate Topics in Computing ¹	3
or CSCI 447	Advanced Topics in Computing	
Computer Science 300/400 Level Electives		6
Total Hours		56

¹ Must carry CSCI 332 Systems Analysis and Design as prerequisite.

Computer Science - Electrical Engineering Concentration, B.S.

Code	Title	Hours
CSCI 101	First Year Computer Science Seminar	3
CSCI 110	Electrical Engineering Principles	3
CSCI 121	Programming in Java I	3

CSCI 235	Digital Circuit Design	3
CSCI 240	Introduction to Robotics	3
CSCI 271	Electric Circuit Design I	3
CSCI 272	Electric Circuit Design II	3
CSCI 318	Computer Organization and Assembly Language	3
CSCI 330	Programming in C++	3
or CSCI 122	Programming in Java II	
CSCI 390	Junior Seminar	1
CSCI 461	Senior Project	3
CSCI 462	Senior Seminar	1
MATH 220	Calculus I	3
MATH 320	Calculus II	3
PHYS 151	Introduction to Mechanics	4
PHYS 251	Introduction to Electricity & Magnetism	4
Six Credits of Computer Science 300/400 Level Electives		6
Six Credits of Computer Science and/or Mathematics Electives		6
Total Hours		58

Computer Science - Information Technology Concentration, B.S.

Code	Title	Hours
CSCI 101	First Year Computer Science Seminar	3
CSCI 121	Programming in Java I	3
or CSCI 246	Programming in C#	
CSCI 122	Programming in Java II	3
or CSCI 248	Programming in C# II	
CSCI 210	Networking Theory and Administration I	3
CSCI 211	Networking Theory and Administration II	3
CSCI 235	Digital Circuit Design	3
CSCI 236	Web Development	3
CSCI 243	Database Development	3
CSCI 302	Computer Triage	3
CSCI 330	Programming in C++	3
CSCI 343	Full Stack Development	3
CSCI 360	Network Security I	3
CSCI 363	Network Security II	3
CSCI 390	Junior Seminar	1
CSCI 461	Senior Project	3
CSCI 462	Senior Seminar	1
MATH 250	Discrete Mathematics	3
COMM 306	Business Writing and Presentation	3
Select any MATH elective level 200 or higher		3
Total Hours		53

Computer Science - Software Development Concentration, B.S.

Code	Title	Hours
CSCI 101	First Year Computer Science Seminar	3
CSCI 121	Programming in Java I	3
CSCI 122	Programming in Java II	3
CSCI 210	Networking Theory and Administration I	3
CSCI 236	Web Development	3
CSCI 243	Database Development	3
CSCI 328	Object Oriented Design	3

CSCI 330	Programming in C++	3
CSCI 343	Full Stack Development	3
Six credits of coursework from CSCI 347 or CSCI 447		6
CSCI 347	Intermediate Topics in Computing ¹	
CSCI 447	Advanced Topics in Computing ¹	
CSCI 361	Data Structures and Algorithms	3
CSCI 390	Junior Seminar	1
CSCI 452	Software Engineering	3
CSCI 461	Senior Project	3
CSCI 462	Senior Seminar	1
MATH 250	Discrete Mathematics	3
COMM 306	Business Writing and Presentation	3
Upper-Level CSCI Electives		6
Total Hours		56

¹ Must carry CSCI 332 Systems Analysis and Design as prerequisite.

Electrical Engineering Minor

Code	Title	Hours
CSCI 110	Electrical Engineering Principles	3
CSCI 121	Programming in Java I	3
CSCI 271	Electric Circuit Design I	3
CSCI 235	Digital Circuit Design	3
Six Credits of 300/400 Electrical Engineering Electives		6
MATH 220	Calculus I	3
MATH 320	Calculus II	3
Total Hours		24

Information Technology Minor

Code	Title	Hours
CSCI 121	Programming in Java I	3
or CSCI 246	Programming in C#	
CSCI 210	Networking Theory and Administration I	3
CSCI 236	Web Development	3
CSCI 243	Database Development	3
CSCI 360	Network Security I	3
Computer Science 300/400 Level Electives		6
Total Hours		21

Software Development Minor

Code	Title	Hours
CSCI 121	Programming in Java I	3
CSCI 122	Programming in Java II	3
CSCI 328	Object Oriented Design	3
CSCI 361	Data Structures and Algorithms	3
Computer Science Electives		9
Total Hours		21

Education

(413) 662-5505

www.mcla.edu/educ (<http://www.mcla.edu/educ/>)

Chairperson: Nicholas Stroud, Ph.D.

Email: N.Stroud@mcla.edu

The Education Department offers programs leading to Initial licensure for teachers wishing to teach at the early childhood, elementary, middle school, middle-secondary, and secondary levels. Each program provides a balanced blend of theory and practice such that students will graduate with the knowledge and skills needed to become effective teachers.

Students complete requirements for a major or concentration in Education. Students should meet with an Education Department advisor during their first semester to discuss their program.

Students graduating with an education teacher license will be able to:

- Plan curriculum and instruction;
- Deliver effective instruction;
- Manage classroom climate and operation;
- Promote equity; and
- 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 teacher candidates the opportunity to apply educational theories in a variety of settings. Students seeking licensure must complete all requirements of our state-approved licensure program.

Candidates for teacher licensure must decide which of the Initial licensure programs they wish to pursue. In the case of middle school (5-8), middle-secondary (5-12), or secondary (8-12) licenses, students major in the liberal arts curriculum consistent with the content area they wish to teach. Students should consult with their Education advisor for more specific information and advice.

Additional Information: Nancy Pearlman, Coordinator of Educator Licensure and Placement 413-662-5522

Approved Licensure Programs

Initial licensure programs are available in the following fields:

- Early Childhood PK-2
- Elementary 1 - 6
- Middle School Humanities 5 - 8
- Middle School Math/Science 5 - 8
- General Science 5 - 8
- Mathematics 5 - 8
- Mathematics 8 - 12
- English 5-12
- History 5 - 12
- Biology 8 -12

- Chemistry 8 -12
- Physics 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.

Programs

- Teacher Licensure (5-12) (p. 88)
- Teacher Licensure (5-8) (p. 88)
- Teacher Licensure (8-12) (p. 89)
- Teacher Licensure for Early Childhood (Pre-Kindergarten - Grade 2) (p. 89)
- Teacher Licensure for Elementary (1-6) (p. 90)

EDUC 150 Infant/Toddler Internship

3 cr

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

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

EDUC 151 Preschool Internship

3 cr

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

Prerequisite: 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

<p>EDUC 324 Teaching Math/Science K-8 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>	<p>EDUC 404 Sheltered English Instruction ECHE/ELEM 3 cr</p> <p>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.</p> <p>Prerequisite: EDUC 338, department approval</p>
<p>EDUC 336 Reading in the Content Area 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>	<p>EDUC 405 Sheltered English Instruction MDSC/SECE 3 cr</p> <p>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.</p> <p>Prerequisite: EDUC 336, department approval</p>
<p>EDUC 338 Reading and Language Arts (ECHE/ELEM) 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>	<p>EDUC 409 Curriculum and Instruction ECHE 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>
<p>EDUC 340 Field Placement I 2 cr</p> <p>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.</p> <p>Prerequisite: CCSS 269, department approval and 2.5 overall GPA</p> <p>Corequisite: EDUC 336 or 338 or EDUC 430</p>	<p>EDUC 412 Curriculum and Instruction ELEM 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>
<p>EDUC 341 Field Placement II ECHE/ELEM 2 cr</p> <p>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.</p> <p>Prerequisite: CCSS 269, EDUC 340, department approval, 2.5 overall GPA, passing score on Communication/Literacy MTEL</p> <p>Corequisite: EDUC 409 or EDUC 412</p>	<p>EDUC 414 Curriculum and Instruction 5-12 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>
<p>EDUC 342 Field Placement II 5-12 2 cr</p> <p>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 may be waived from hours in the school setting if appropriate documentation is provided but not from seminars.</p> <p>Prerequisite: CCSS 269, EDUC 340, department approval, 2.5 overall GPA, passing score on Communication/Literacy MTEL</p> <p>Corequisite: EDUC 414</p>	<p>EDUC 420 Classroom Management/Teaching Strategies (ECHE & ELEM) 3 cr</p> <p>Prepares one to design educational environments that support all learners and to see classrooms from the learner's 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.</p> <p>Prerequisite: Department approval</p>
	<p>EDUC 422 Classroom Management/Teaching Strategies (MDSC/ SECE) 3 cr</p> <p>Prepares one to design educational environments that support all learners and to see classrooms from the learner's 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.</p> <p>Prerequisite: Department approval</p>

<p>EDUC 430 Teaching in an Inclusive Classroom 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>	<p>EDUC 540 Education Internship 3-15 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status, department approval</p> <p>Repeatable: Maximum of 15 credits</p>
<p>EDUC 460 Special Topics in Education 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Unlimited Credits</p>	<p>EDUC 550 Student Teaching Practicum PK-K 3 cr</p> <p>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. This course will be graded on a pass/fail basis.</p> <p>Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA</p> <p>Corequisite: EDUC 560, EDUC 561</p>
<p>EDUC 473 Contemporary Educational Issues 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status, department approval</p>	<p>EDUC 560 Student Teaching Practicum 1-2 6 cr</p> <p>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. This course will be graded on a pass/fail basis.</p> <p>Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA</p> <p>Corequisite: EDUC 550, EDUC 561</p>
<p>EDUC 500 Independent Study 1-3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status, department approval</p> <p>Repeatable: Maximum of 12 credits</p>	<p>EDUC 561 Student Teaching Seminar ECHE 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses</p> <p>Corequisite: EDUC 550, EDUC 560</p>
<p>EDUC 530 Student Teaching Practicum 5-12 9 cr</p> <p>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. This course is graded on a pass/fail basis.</p> <p>Prerequisite: Department approval, passing scores on all MTELs, grades of C or better in all licensure courses, and GPA of 2.8</p> <p>Corequisite: EDUC 581</p>	<p>EDUC 570 Student Teaching Practicum 1-6 9 cr</p> <p>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. This course will be graded on a pass/fail basis.</p> <p>Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA</p> <p>Corequisite: EDUC 571</p>
<p>EDUC 535 Student Teaching Half Practicum 5-12 1-9 cr</p> <p>Provides the culminating field experience for teacher licensure. Students spend five half days per week in a school classroom. In the role of teacher, students 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 2 semester period of time. Student will register for 4 credits one semester and 5 credits the second. This course will be graded on a pass/fail basis.</p> <p>Prerequisite: Department approval, passing scores on all MTELs, grades of C or better in all licensure courses, GPA of 2.8</p> <p>Corequisite: EDUC 581</p> <p>Repeatable: Maximum of 9 credits</p>	

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

Corequisite: EDUC 570

EDUC 575 Student Teaching Half Practicum 1-6**1-9 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. This course will be graded on a pass/fail basis.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA

Corequisite: EDUC 571

Repeatable: Maximum of 9 credits

EDUC 580 Student Teaching Practicum 5-8**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. The course will be graded on a pass/fail basis.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA

Corequisite: EDUC 581

EDUC 581 Student Teaching Seminar 5-12**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

Corequisite: EDUC 530 or 580 or 590

EDUC 585 Student Teaching Half Practicum 5-8**1-9 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. This course will be graded on a pass/fail basis. GPA

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall

Corequisite: EDUC 581

Repeatable: Maximum of 9 credits

EDUC 590 Student Teaching Practicum 8-12**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. This course will be graded on a pass/fail basis.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA

Corequisite: EDUC 581

EDUC 595 Student Teaching Half Practicum 8-12**1-9 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. This course will be graded on a pass/fail basis.

Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA

Corequisite: EDUC 581

Repeatable: Maximum of 9 credits

Teacher Licensure by the Commonwealth of Massachusetts

MCLA has been approved by the Commonwealth of Massachusetts to offer twelve Initial licensure programs at the undergraduate level. Massachusetts requires that individuals who want to obtain teacher licensure in the state must pass the Massachusetts Tests for Educator Licensure (MTEL).

Initial licensure is granted by the Commonwealth of Massachusetts to individuals who have completed approved programs of study (such as those offered at MCLA) 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 PK-2
- Elementary 1 - 6
- Middle School Humanities 5 - 8
- Middle School Math/Science 5 - 8
- General Science 5 - 8
- Mathematics 5 - 8
- Mathematics 8 - 12
- English 5-12
- History 5 - 12
- Biology 8 -12
- Chemistry 8 -12
- Physics 8 - 12

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

Teacher Licensure (5-12)

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

To fulfill the requirements for a middle-secondary licensure program, students must complete a major in the appropriate liberal arts or sciences and a concentration or major in education. In addition, students must also complete a three-credit developmental psychology course. A total of 40 credits are required for the Education major and licensure program. Students should meet with an education department advisor during their first semester. For more information, students should talk to their Education advisor.

Choice of Liberal Arts/Sciences Major to Accompany Middle-Secondary Licensure

- English
- History

Students must apply for, and be accepted into, the Student Teaching Practicum. Acceptance requires the student to have met all requirements, including passing scores on the Massachusetts Tests for Educator Licensure (MTEL). Please see the Education Department for all requirements. Students must have departmental approval to enroll in more than 12 credits during the Student Teaching Practicum. Upon completion of the middle-secondary licensure program the student is eligible for Initial licensure (5-12).

Code	Title	Hours
CCSS 269	Education and Society	3
EDUC 336	Reading in the Content Area	3
EDUC 340	Field Placement I	2
EDUC 342	Field Placement II 5-12	2
EDUC 405	Sheltered English Instruction MDSC/SECE	3
EDUC 414	Curriculum and Instruction 5-12	3
EDUC 422	Classroom Management/Teaching Strategies (MDSC/SECE)	3
EDUC 430	Teaching in an Inclusive Classroom	3
EDUC 530	Student Teaching Practicum 5-12 ¹	9
EDUC 581	Student Teaching Seminar 5-12	3
Optional Second Major in Education		
Two Additional Education Electives		0-6
Total Hours		34-40

¹ Application, interview, and passing scores on all MTEls for this license are required for admission to the Student Teaching Practicum.

All licensure courses (including subject matter knowledge) require a minimum grade of C in order to proceed through the program and be admitted to the Student Teaching Practicum.

Note: Field Placement I requires attendance at the Communication and Literacy MTEL Prep course.

Note: All Subject Matter Knowledge (SMK) courses required for the license must also be completed. A list of all SMK courses is kept and maintained by the Registrar and the Education Department and is

incorporated into each student's degree audit (Degree Works), dependent upon their individual combination of programs.

Teacher Licensure (5-8)

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

To fulfill the requirements for a middle school licensure program, students must complete a major in the appropriate liberal arts or sciences and a concentration or major in education. In addition, students must also complete a three-credit developmental psychology course. A total of 40 credits are required for the Education major and licensure program. Students should meet with an education department advisor during their first semester. For more information, students should talk to their Education advisor.

Choice of Liberal Arts/Sciences Major to Accompany Middle School Licensure

- Biology
- Chemistry
- Interdisciplinary Studies (IDST) ¹
- Mathematics
- Physics

¹ A student selecting IDST will pursue a program specific to their license: in general science, math and science, or humanities.

Students must apply for, and be accepted into, the Student Teaching Practicum. Acceptance requires the student to have met all requirements, including passing scores on the Massachusetts Tests for Educator Licensure (MTEL). Please see the Education Department for all requirements. Students must have departmental approval to enroll in more than 12 credits during the Student Teaching Practicum. Upon completion of the middle school licensure program the student is eligible for Initial licensure (5-8).

Code	Title	Hours
CCSS 269	Education and Society	3
EDUC 336	Reading in the Content Area	3
EDUC 340	Field Placement I	2
EDUC 342	Field Placement II 5-12	2
EDUC 405	Sheltered English Instruction MDSC/SECE	3
EDUC 414	Curriculum and Instruction 5-12	3
EDUC 422	Classroom Management/Teaching Strategies (MDSC/SECE)	3
EDUC 430	Teaching in an Inclusive Classroom	3
EDUC 580	Student Teaching Practicum 5-8 ¹	9
EDUC 581	Student Teaching Seminar 5-12	3
Optional Second Major in Education		
Two Additional Education Related courses		0-6
Total Hours		34-40

¹ Application, interview, and passing scores on all MTELS for this license are required for admission to the Student Teaching Practicum.

All licensure courses (including subject matter knowledge) require a minimum grade of C in order to proceed through the program and be admitted to the Student Teaching Practicum.

Note: Field Placement I requires attendance at the Communication and Literacy MTEL Prep course.

Note: All Subject Matter Knowledge (SMK) courses required for the license must also be completed. A list of all SMK courses is kept and maintained by the Registrar and the Education Department and is incorporated into each student's degree audit (Degree Works), dependent upon their individual combination of programs.

Teacher Licensure (8-12)

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

To fulfill the requirements for the secondary school licensure program, students must complete a major in the appropriate liberal arts or sciences and a concentration or major in education. In addition, students must also complete a three-credit developmental psychology course. A total of 40 credits are required for the Education major and licensure program. Students should meet with an education department advisor during their first semester. For more information, students should talk to their Education advisor.

Choice of Liberal Arts/Sciences Major to Accompany Secondary School Licensure

- Biology
- Chemistry
- Mathematics
- Physics

Students must apply for, and be accepted into, the Student Teaching Practicum. Acceptance requires the student to have met all requirements, including passing scores on the Massachusetts Tests for Educator Licensure (MTEL). Please see the Education Department for all requirements. Students must have departmental approval to enroll in more than 12 credits during the Student Teaching Practicum. Upon completion of the secondary school licensure program the student is eligible for Initial licensure (8-12).

Code	Title	Hours
CCSS 269	Education and Society	3
EDUC 336	Reading in the Content Area	3
EDUC 340	Field Placement I	2
EDUC 342	Field Placement II 5-12	2
EDUC 405	Sheltered English Instruction MDSC/SECE	3
EDUC 414	Curriculum and Instruction 5-12	3
EDUC 422	Classroom Management/Teaching Strategies (MDSC/SECE)	3
EDUC 430	Teaching in an Inclusive Classroom	3
EDUC 581	Student Teaching Seminar 5-12	3

EDUC 590 Student Teaching Practicum 8-12 ¹ 9

Optional Second Major in Education

Two Additional Education Electives 0-6

Total Hours **34-40**

¹ Application, interview and passing scores on all MTELS for this license are required for admission to the Student Teaching Practicum.

All licensure courses (including subject matter knowledge) require a minimum grade of C in order to proceed through the program and be admitted to the Student Teaching Practicum.

Note: Field Placement I requires attendance at the Communication and Literacy MTEL Prep course.

Note: All Subject Matter Knowledge (SMK) courses required for the license must also be completed. A list of all SMK courses is kept and maintained by the Registrar and the Education Department and is incorporated into each student's degree audit (Degree Works), dependent upon their individual combination of programs.

Teacher Licensure for Early Childhood (Pre-Kindergarten - Grade 2)

MCLA requires a major in education for students seeking early childhood licensure. The early childhood licensure program prepares teachers of young children prekindergarten through second grade.

The early childhood licensure program prepares students to educate and care for children in both public and private early childhood education settings, including public school classrooms from Pre-Kindergarten to Grade 2. The curriculum emphasizes the inclusive design of early childhood environments and curricula, innovative teaching strategies and practices, and authentic assessment of the whole child.

Students must apply for, and be accepted into, the Student Teaching Practicum. Acceptance requires the student to have met all requirements, including passing scores on the Massachusetts Tests for Educator Licensure (MTEL). Please see the Education Department for all requirements. Students must have departmental approval to enroll in more than 12 credits during the Student Teaching Practicum. Upon completion of the early childhood program, the student is eligible for Initial licensure (PreK-2).

To fulfill the requirements for the early childhood licensure program, students must complete a liberal arts/science major as well as a major in education, which includes the licensure program. Candidates for Initial licensure must also complete specific coursework in the following subject matter areas:

- English Language Arts (9 credits)
- Mathematics (9 credits)
- Science, Technology, and Engineering (8 credits)
- History and Social Science (9 credits)
- Developmental Psychology (3 credits)
- First Aid/CPR (1 credit)
- Art (3 credits)

Students should meet with an Education Department advisor during their first semester to learn how these required subject matter courses may also fulfill MCLA core curriculum requirements.

Choice of Liberal Arts/Sciences Majors for Early Childhood Education Teacher Candidates:

- Biology
- Chemistry
- English
- Environmental Studies
- Fine and Performing Arts
- History/Political Science
- Interdisciplinary Studies (IDST)
- Mathematics
- Philosophy
- Physics
- Psychology
- Sociology

Code	Title	Hours
CCSS 269	Education and Society	3
EDUC 305	Program Development: 3, 4 and 5 year olds	3
EDUC 324	Teaching Math/Science K-8	3
EDUC 338	Reading and Language Arts (ECHE/ELEM)	3
EDUC 340	Field Placement I	2
EDUC 341	Field Placement II ECHE/ELEM	2
EDUC 404	Sheltered English Instruction ECHE/ELEM	3
EDUC 409	Curriculum and Instruction ECHE	3
EDUC 420	Classroom Management/Teaching Strategies (ECHE & ELEM)	3
EDUC 430	Teaching in an Inclusive Classroom	3
EDUC 550	Student Teaching Practicum PK-K ¹	3
EDUC 560	Student Teaching Practicum 1-2 ¹	6
EDUC 561	Student Teaching Seminar ECHE	3
Total Hours		40

¹ Application, interview, and passing scores on all MTELs for this license are required for admission to the Student Teaching Practicum. All licensure courses (including subject matter knowledge) require a minimum grade of C in order to proceed through the program and be admitted to the Student Teaching Practicum.

Note: Field Placement I requires attendance at the Communication and Literacy MTEL Prep course.

Note: All Subject Matter Knowledge (SMK) courses required for the license must also be completed. A list of all SMK courses is kept and maintained by the Registrar and the Education Department and is incorporated into each student's degree audit (Degree Works), dependent upon their individual combination of programs.

Teacher Licensure for Elementary (1-6)

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

Students must apply for, and be accepted into, the Student Teaching Practicum. Acceptance requires the student to have met all requirements, including passing scores on the Massachusetts Tests for Educator Licensure (MTEL). Please see the Education Department for all requirements. Students must have departmental approval to enroll in more than 12 credits during the Student Teaching Practicum. Upon completion of the elementary licensure program, the student is eligible for Initial licensure (1-6).

To fulfill the requirements for the elementary licensure program, students must complete a liberal arts/science major as well as a major in education, which includes the licensure program. Candidates for Initial licensure must also complete specific coursework in the following subject matter areas:

- English Language Arts (9 credits)
- Mathematics (9 credits)
- Science, Technology, and Engineering (8 credits)
- History and Social Science (9 credits)
- Developmental Psychology (3 credits)
- First Aid/CPR (1 credit)
- Art (3 credits)

Students should meet with an Education Department advisor during their first semester to discuss the requirements for the licensure program, including to learn how subject matter courses may also fulfill MCLA core curriculum requirements.

Choice of Liberal Arts/Science Major for Elementary Education:

- Biology
- Chemistry
- English
- Environmental Studies
- Fine and Performing Arts
- History/Political Science
- Interdisciplinary Studies (IDST)
- Mathematics
- Philosophy
- Physics
- Psychology
- Sociology

Code	Title	Hours
CCSS 269	Education and Society	3
EDUC 324	Teaching Math/Science K-8	3
EDUC 338	Reading and Language Arts (ECHE/ELEM)	3

EDUC 340	Field Placement I	2
EDUC 341	Field Placement II ECHE/ELEM	2
EDUC 404	Sheltered English Instruction ECHE/ELEM	3
EDUC 412	Curriculum and Instruction ELEM	3
EDUC 420	Classroom Management/Teaching Strategies (ECHE & ELEM)	3
EDUC 430	Teaching in an Inclusive Classroom	3
EDUC 570	Student Teaching Practicum 1-6 ¹	9
EDUC 571	Student Teaching Seminar ELEM	3
Total Hours		37

¹ Application, interview, and passing scores on all MTEL's for this license are required for admission to the Student Teaching Practicum.

All licensure courses (including subject matter knowledge) require a minimum grade of C in order to proceed through the program and be admitted to the Student Teaching Practicum.

Note: Field Placement I requires attendance at the Communication and Literacy MTEL Prep course.

Note: All Subject Matter Knowledge (SMK) courses required for the license must also be completed. A list of all SMK courses is kept and maintained by the Registrar and the Education Department and is incorporated into each student's degree audit (Degree Works), dependent upon their individual combination of programs.

English

(413) 662-5371

www.mcla.edu/engl (http://www.mcla.edu/engl/)

Chairperson: Amber Engelson, Ph.D.

Email: A.Engelson@mcla.edu (A.Engelson@mcla.edu)

English Major Program

In the English & Communications Department at MCLA, we educate our students to become effective, adaptable critics and creators of a variety of human discourses – 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. Students majoring in English think, study, and write about the multifaceted ways people use language across cultures. The Foundation of the program gives students a broad background in literature, language, and media, with an emphasis on how cultures shape storytelling in its many forms. Beyond the Foundation, students take additional courses in one of the following Concentrations: Film Studies, Literature, or Writing (in either the Creative or Professional Writing track).

Students graduating with a major in English will be able to:

- Communicate effectively in oral, written, and other forms of discourse;
- Demonstrate an ability to work effectively in collaborative learning and problem-solving environments;
- Craft thoughtful, creative texts that demonstrate a keen sensitivity to language, form, style, and effect;
- Analyze texts closely and critically, demonstrating how languages, style, form, and genre create effects and shape meanings;
- Articulate an understanding of how cultural, historical, and ideological contexts condition both the creation and the reception of texts across time and in today's complex, diverse world;
- Use various critical methods and theoretical frameworks in scholarly dialogue with others about the interpretations of texts;
- Design and conduct research, applying it to problem-solving and contributing to various forms of public discourse;
- Employ relevant technologies in the production, critique, and presentation of texts;
- Reflect on how the knowledge and abilities developed in the English/Communications Department transfer meaningfully to other academic and non-academic, real-world situations.

Programs

- Creative Writing Minor (p. 99)
- English - Film Studies Concentration, B.A. (p. 99)
- English - Literature Concentration, B.A. (p. 99)
- English - Writing Concentration, B.A. (p. 100)
- English Minor (p. 100)
- Literature Minor (p. 100)

English Major Foundation Courses

Code	Title	Hours
COMM 211	Introduction to Mass Media	3
ENGL 250/250H	Introduction to Literature	3

Select one of the following Language Studies courses: ¹		3
COMM 410	From Semiotics to Significations	
ENGL 231	The Power of Words	
ENGL 313	Global Anglophone Language and Literature	
ENGL 331	The Story of English	
OR one 200-level or above foreign language course		
Select one of the following Texts in Context courses: ¹		3
ENGL 341	Hybrid Poetics	
ENGL 367	The Beat Generation	
ENGL 365	Reading the Graphic Novel	
Or any course within ENGL 365 - ENGL 380 range		
Select one of the following Diverse Voices in Culture courses: ¹		3
ENGL 313	Global Anglophone Language and Literature	
ENGL 441	Special Topics in Literature (Modern and Contemporary Black Literature)	
ENGL 441	Special Topics in Literature (Writing Women)	
ENGL 393	Faulkner and the Global South	
Or any course within ENGL 381 - ENGL 394 range		
Select one of the following Literary Survey courses: ¹		3
ENGL 313	Global Anglophone Language and Literature	
ENGL 381	African American Literature (only for non-literature concentrators)	
ENGL 451	British Literary Survey	
ENGL 461	American Literary Survey	
ENGL 471	World Literary Survey	
Any advanced writing course at 200 level or above		3
ENGL 490	Senior Seminar	3
or COMM 490	Senior Seminar	
Total Hours		24

¹ ENGL 313 Global Anglophone Language and Literature can only be used to fulfill one major requirement.

English

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.

ENGL 150 College Writing II 3 cr

Emphasizes college-level writing, reading, research and revision practices necessary for 21st century academic and civic engagement. Teaches students to use a variety of genres, rhetorical techniques, and sources of evidence to reach academic and civic audiences.

Prerequisite: ENGL 100

Attributes: Critical Reading, Thinking, Writing (CWR)

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.

<p>ENGL 207 Introduction to American Ethnic Studies 3 cr</p> <p>Explores the methodological and thematic evolution of American and Ethnic Studies. We will ask: Who is an American? What does it mean to be American? We will approach this task through a critical vantage point that considers the impacts of race, class, gender, and sexuality on "Americanness." We will also explore how economics, empire, racism, transnationalism, and imperialism all impact our definitions of "Americanness."</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Core Human Heritage (CHH)</p>	<p>ENGL 265 Literary Theme 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH)</p> <p>Repeatable: Unlimited Credits</p>
<p>ENGL 208 Experiments in Creative Writing 3 cr</p> <p>Initiate new storytelling practices inspired by historic literary movements and contemporary writers. The goal is not to perfect stable pieces but to move our writing (fiction, creative nonfiction, and poetry) around, via formal conditions, limits, and games.</p> <p>Attributes: Core Creative Arts (CCA)</p>	<p>ENGL 270 Literary Genre 3 cr</p> <p>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.</p> <p>Attributes: Core Creative Arts (CCA)</p> <p>Repeatable: Unlimited Credits</p>
<p>ENGL 210 Essentials of Film 3 cr</p> <p>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.</p> <p>Attributes: Core Creative Arts (CCA)</p>	<p>ENGL 300 Creative Writing: Fiction 3 cr</p> <p>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.</p>
<p>ENGL 221 Literary Journalism 3 cr</p> <p>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.</p>	<p>ENGL 301 Creative Writing: Poetry 3 cr</p> <p>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.</p>
<p>ENGL 231 The Power of Words 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS), Leadership Minor (LDRS)</p>	<p>ENGL 302 Creative Writing: Scripts 3 cr</p> <p>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.</p>
<p>ENGL 250 Introduction to Literature 3 cr</p> <p>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.)</p> <p>Attributes: Core Creative Arts (CCA)</p>	<p>ENGL 303 Writing Prose 3 cr</p> <p>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.</p> <p>Repeatable: Unlimited Credits</p>
<p>ENGL 250H Honors: Introduction to Literature 3 cr</p> <p>Seeks to develop each students' 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.</p> <p>Attributes: Core Creative Arts (CCA), Honors Program (HONR)</p>	<p>ENGL 304 Creative Writing: Playwriting 3 cr</p> <p>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.</p>
	<p>ENGL 308 Writing Associate Workshop 3 cr</p> <p>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.</p> <p>Prerequisite: ENGL 150, permission of instructor</p>

- ENGL 313 Global Anglophone Language and Literature** 3 cr
Analyzes Global Anglophone Literature and Postcolonial theory with a particular focus on writing from and about Africa, the Caribbean, and India. Discussions will center on questions of language, representation, and form. We will explore the various aesthetic strategies and techniques employed by writers to communicate contemporary postcolonial themes, such as neocolonialism, globalization, nationalism, imperialism, feminism, migration, hybridity, and diaspora.
Prerequisite: ENGL 250
Attributes: Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)
- 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.
- ENGL 331 The Story of English** 3 cr
Examines English as the global language of power from the Anglo-Saxon era to today's digitally-connected world and the ways it has been continually transformed by the diverse racial and ethnic communities who have used it. Students explore English's complexity by engaging with multiple genres across a diversity of research traditions, from creative non-fiction, to historical research, to contemporary scholarship in the fields of Writing Studies, Linguistics, and Comparative Rhetorics.
Prerequisite: ENGL 250
- ENGL 340 Literature and Society** 3 cr
Discusses and analyzes a variety of literary works that illuminate social issues. Integrates literature with other disciplines by focusing on several contemporary themes of social relevance.
Prerequisite: ENGL 250
- ENGL 341 Hybrid Poetics** 3 cr
Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.
Prerequisite: Junior/senior status
- ENGL 341H Honors: Hybrid Poetics** 3 cr
Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.
Prerequisite: Junior/senior status
Attributes: Honors Program (HONR)
- 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
- ENGL 351 William Shakespeare** 3 cr
Considers such works as the Sonnets, *Midsummer Night's Dream*, *Measure for Measure* and *The Tempest*.
Prerequisite: ENGL 250
- ENGL 353 Hawthorne and Melville** 3 cr
Studies the chief works of Nathaniel Hawthorne and Herman Melville with particular attention to their innovations in American letters. Includes such works as *Typee*, *Moby-Dick*, *Billy Budd*, *The Scarlet Letter*, and *The Tanglewood Tales*.
Prerequisite: ENGL 250
- 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
- ENGL 363 Travel Writing** 3 cr
Examines a variety of travel literatures across multiple modes and genres - including essay, poetry, memoir and fiction - in order to spur students' own writing and thinking processes about how "traveling" happens, from the local to the global. Students explore not only the personal, ethical and ethnographic dimensions of travel, but will create exploratory texts that move and rove, cross borders, pitch questions and field discoveries in which the reader can participate as traveling companion.
- 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
- ENGL 367 The Beat Generation** 3 cr
Explores the literature of the Beat Generation, including its antecedents, influences, and lasting legacy. Authors include Ginsberg, Kerouac, Burroughs, Corso, Snyder, McClure, Ferlinghetti, DiPrima, Baraka, Cassady, Johnson, Jones, Bob Dylan, and others.
Prerequisite: ENGL 250
- ENGL 368 The Age of Milton** 3 cr
Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Samson Agonistes," and "Paradise Lost".
Prerequisite: ENGL 250

- ENGL 368H Honors: The Age of Milton** 3 cr
Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Sampson Agonistes," and "Paradise Lost".
Prerequisite: ENGL 250
Attributes: Honors Program (HONR)
- ENGL 371 The American Renaissance** 3 cr
Surveys texts from such authors as Emerson, Dickinson, Thoreau, Alcott, Fuller, Melville, Hawthorne, Whitman, Douglas.
Prerequisite: ENGL 250
Attributes: Environmental Studies (ENVI)
- 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)
Attributes: Additional Fees Apply (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.
Prerequisite: ENGL 250, sophomore status, instructor approval (Students pay travel fee)
Attributes: Additional Fees Apply (FEE), Honors Program (HONR)
- ENGL 374 Literature and the Environment** 3 cr
Explores, through literary study, the variety of ways that human beings have regarded our relationship to nature and the environment. Examines some of the many cultural factors conditioning these views, as well as the impact on the environment-and us-when these views are put into practice.
Prerequisite: ENGL 250
Attributes: Environmental Studies (ENVI)
- 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
- 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 381 African American Literature** 3 cr
Surveys texts drawn from such writers as Hughes, Dubois, Wright, Morrison, Giovanni, Reed, Douglas, etc.
Prerequisite: ENGL 250
Attributes: Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)
- 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.
Prerequisite: ENGL 250
Attributes: Cross-Cultural and Social Justice (CCSJ)
- ENGL 388 Visions and Voices: American Ethnic Literature and Art** 3 cr
Explores a range of works (fiction, poetry, memoir, photography, music, painting, news media) from American ethnic writers and artists of the twentieth-century and beyond. This course critically examines the cross-section of ethnicity and creative expression as it applies to questions of American identity. Topics include systemic oppression, nationhood, immigration, marginalization, intersectionality, cultural hybridity, intergenerational trauma and survival, border crossing, and heritage.
Prerequisite: Junior/senior status
Attributes: Women Gender Sexuality Studies (WMST)
- 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: ENGL 250
Repeatable: Unlimited Credits
- ENGL 392 Queer Identity in Contemporary Literature** 3 cr
Explores representations of queer identity by contemporary writers working in a variety of literary genres including short and novel-length fiction, the graphic novel, poetry, and memoir. Authors may include David Leavitt, Jeanette Winterson, Olga Broumas, Colm Toibin, Raphael Campo, Alan Hollinghurst, Leslie Fienberg, Mark Wunderlich, Alison Bechdel, or Michelle Tea.
Prerequisite: ENGL 250
Attributes: Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)
- ENGL 393 Faulkner and the Global South** 3 cr
Explores the reciprocal resonances between the writing of white southern modernist, William Faulkner, and the diverse literatures coming out of the Global South. Examines the ways in which Global South writers use experimental poetics to continue Faulkner's project and tell the stories of colonialism from the neocolonial present.
Prerequisite: ENGL 250
- 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 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
Repeatable: Unlimited Credits
- ENGL 401 Open Up: Community Dialogue Workshop** 3 cr
A high-impact, community-based learning course that puts students directly in the classroom, leading discussions on important topics, such as race, gender, sexuality, identity, and community. The course centers theoretical and pedagogical discussions grounded in books and articles, such as *The New Jim Crow* and *White Fragility*, as well as documentary films, exploring power, society, and identity. Student groups will then develop workshops and partner with local high schools.
Prerequisite: Junior/senior status
- ENGL 410 Special Topics in Creative Writing** 3 cr
Explores new forms, genres, and approaches to the craft of creative writing for advanced students looking to further their creative and critical artistic practices. Content identified by subtitle. Primarily for majors in the junior and senior year.
Prerequisite: Junior/senior status
Repeatable: Unlimited Credits
- 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
Repeatable: Unlimited Credits
- 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
- 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
- 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
Repeatable: Unlimited Credits
- 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
- 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
- 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*.
Prerequisite: ENGL 250
- 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
Repeatable: Unlimited Credits
- 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
Repeatable: Maximum of 6 credits
- ENGL 493 Teaching Assistantship in English/Communications** 1-6 cr
Assists the instructor with the organization, implementation and assessment of individual English/Communications courses.
Prerequisite: Department approval
Repeatable: Maximum of 6 credits
- ENGL 500 Independent Study** 1-3 cr
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior/senior status, department approval
Repeatable: Maximum of 12 credits
- ENGL 540 Internship in English** 1-15 cr
Provides a practical, hands-on field experience to supplement classroom courses. The student works with an on-campus faculty advisor and usually with an on-site supervisor, and the two jointly evaluate the student's work.
Prerequisite: Junior/senior standing, department approval
Repeatable: Maximum of 15 credits

Communications

- COMM 200 Communication Research and Methods** 3 cr
Develops knowledge about the role of communication research in academic and professional disciplines, preparing students to better analyze data and critically engage with research findings. It introduces quantitative, qualitative, and combined communication research methods so students can begin primary research of their own.

- COMM 201 Media Writing and Production** 3 cr
Introduces students to multiple ways of storytelling through various types of writing and working with audio, video, and interactive media. Students become familiar with audio and video recording and editing, as well as producing stories for the Web. Introduces script writing and storyboarding as part of an overall emphasis on clear and engaging writing within creative writing and journalistic frameworks.
- COMM 204 Media Self-Identity & 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 and theories that explore identity through analyzing meanings in media and social/cultural texts. It questions how these develop across history and questions identity in everyday common sense discourse and its relationships to media and society at local and global levels.
Attributes: Core Self & Society (CSS)
- COMM 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.
- COMM 211 Introduction to Mass Media** 3 cr
Surveys the range of types of communication, focusing on the context of mediated mass media and their characteristics, history, evolution and the socio-cultural forces that shape them including newspapers, magazines, film, radio, television and the Internet.
- COMM 212 Audio Production** 3 cr
Introduces students to the recording and editing practices involved in producing audio stories. Explores the range of programming, both live and recorded, for an FCC-licensed non-commercial radio station. Includes news, music shows, interviews and sports. Students produce live and recorded shows for WJJW, MCLA's radio station. Adobe Audition is used for digital recording and editing.
- COMM 214 Basic TV Production: Theory and Practice** 3 cr
Examines how digital video and audio and writing help produce effective storytelling in television production. Develops theoretical and practical knowledge of television production in both studio and in-the-field settings while also considering the audience. Students work on individual and group projects that include basic level introduction to cameras, audio, Avid editing, control room technologies and studio protocols.
- COMM 220 Media Theories** 3 cr
Examines the key themes among media theories and how they help explain important aspects of modern and postmodern society, including political, social, and cultural life, means of communication, and the changes between audiences and media institutions in the digital world. Students will learn about media effects, medium theory, symbolic interactionism and structuration, political economy, critical theory, feminism and gender studies, and postmodernity and the information society.
- COMM 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.
- COMM 281 Special Topics in Communications** 3 cr
Studies introductory topics in media production and/or mass communications. Designed to provide foundational frameworks in communication subjects, including but not limited to media analysis, interpretation, research, media production, and media-specific writing. Content identified by subtitle.
- COMM 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: COMM 239
- COMM 306 Business Writing and Presentation** 3 cr
Provides practice in writing strong, clear, and creative business communication.
- COMM 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. .
- COMM 310 Avid Editing** 3 cr
Learning basic video and audio editing, this course teaches students the fundamental skills of Avid Media Composer and knowledge about networked server-systems. The course also grounds students in understanding the editing software; learning about inputting media, trimming, the smart tool, customization; and organization as well as examining the crucial area of sound in significant detail. Special effects along with titles and color correction are also examined.
Prerequisite: COMM 214
- COMM 312 Radio Practicum** 1-6 cr
Teaches the daily operation of an FCC-licensed non-commercial educational radio station, WJJW, 91.1 FM. Topics include compliance with FCC regulations, digital streaming copyright, use of Adobe Audition for advanced audio recording and editing, producing live and recorded shows for broadcast, and producing news and interview shows and podcasts. A weekly live on-air shift is part of the class requirements. Students may assume management positions at WJJW. Repeatable for a max of 15 credits.
Repeatable: Maximum of 15 credits
- COMM 314 Advanced TV Production: Theory and Practice** 3 cr
Develops advanced understanding about written, video and audio communicative elements in either broadcasting or documentary forms via practical and theoretical applications of television production. Via group work in the studio and in-the-field projects, specialized attention to program form facilitates understanding about different journalism and storytelling practices. Students write stories at more advanced level and use technologies that are more complex in filming, editing and studio work.
Prerequisite: COMM 214

<p>COMM 315 Social Media Strategies 3 cr Gives students a broad-based understanding of the fundamental trends and dynamics taking place in the digital media landscape today. Students learn about new measurement metrics, how to conduct social media campaigns, and are able to practice skills that they can use when working in a range of organizations that utilize digital and social media. Guest speakers from the industry are invited, and we work with real-world clients that want to have strategic media campaigns.</p>	<p>COMM 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: COMM 205</p>
<p>COMM 316 Broadcast Delivery 3 cr Focuses on the analysis and development of techniques and skills needed for performance of news, commercials, editorials and live reporting. Also emphasizes voice quality, diction and presentational skills and culminates in the production of professional audition videotapes.</p>	<p>COMM 339 Writing and Reporting the 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: COMM 239</p>
<p>COMM 319 Global Issues in Communication 3 cr Studies in depth a specific aspect of global communication and provides the students a general knowledge of the geopolitical issues of international communication, including technological, economic and political/ideological patterns. Prerequisite: COMM 211 Attributes: Cross-Cultural and Social Justice (CCSJ)</p>	<p>COMM 396 Public Relations 3 cr Introduces students to the broad career area of public relations. Principles, cases and problems of public relations will be studied through contact with local organizations. Topic areas include internal communications systems, applications of mass communications, researching public opinions and social responsibilities. Prerequisite: COMM 239 or COMM 211</p>
<p>COMM 321 News Media Practicum 1-6 cr Concentrates on writing, editing, and producing news stories in a convergent newsroom. Fills the junior staff position of the college newspaper to refine writing, design, and editing skills in print, video, audio, and online, as well as advertising sales and public relations for the Beacon. Repeatable for a max of 15 credits. Prerequisite: COMM 239 and instructor approval Repeatable: Maximum of 15 credits</p>	<p>COMM 400 Intercultural Communication 3 cr Studies in depth the role culture plays in the communication process in various world cultures including Africa, Asian and Central American. Also examines the cultural differences in language, thought patterns and non-verbal behaviors. Prerequisite: Junior/senior status Attributes: Cross-Cultural and Social Justice (CCSJ)</p>
<p>COMM 323 Publication Design and Typography 3 cr Studies contemporary layouts and design principles, with special emphasis on creating and integrating logos, content, typography and design for visually appealing communications packages. Includes basic typography and an overview of printing processes. Students create layouts for flyers, brochures, newsletters, newspapers, and magazines, and learn Adobe Illustrator, Photoshop, and InDesign.</p>	<p>COMM 405 Data Journalism & Infographics 3 cr Teaches how to do in-depth research with large datasets and how to find stories from numbers, crucial skills for today's journalists. Relevant statistical and computer-assisted reporting (CAR) techniques are learned and applied to stories, and software and apps are used to create powerful and meaningful data visualizations and infographics to accompany stories. Previous experience with statistics and design or production software is helpful, but not necessary. Prerequisite: COMM 239 and COMM 339</p>
<p>COMM 324 Broadcast Journalism 3 cr Emphasizes investigative reporting as it relates to gathering, writing and presenting news and documentary for television. Also examines the practical and theoretical concepts of electronic news gathering (ENG) and electronic field production (EFP) including analysis of broadcast journalism standards. Prerequisite: COMM 214 and instructor approval</p>	<p>COMM 410 From Semiotics to Significations 3 cr Develops knowledge about the field of semiotics from its inception to the contemporary practice of reading significations. Focusing upon reading signs/meanings across different media and culture, students learn about symbolic activities and different interpretative models and analytical approaches. These include: de Saussure, Peirce, Burke, Marx, Freud, Lacan, Irigaray, Gramsci, Laclau and Mouffe, Levi-Strauss, Barthes, Althusser, Foucault, Williams, Hall and Lash and Urry.</p>
<p>COMM 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.</p>	<p>COMM 415 Media Meaning-Making: Theory/Practice 3 cr Explores theory about genre and meaning-making practices across television. Focusing upon media history the course critically reviews transformations to television genres in drama, documentary, documentary-drama, comedy, news and reality TV. Concentrating on the development of genre the course examines how the nature of meanings have changed giving further attention to animation, popular entertainment forms like soap operas and video on demand. Prerequisite: COMM 211 and junior/senior status</p>
<p>COMM 337 Advanced Photography 3 cr Builds upon skills learned in Introduction to 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: COMM 205</p>	

COMM 420 Public Relations and Crisis Management 3 cr
 Provides an in-depth look into the Public Relations area of crisis management. Through case-book studies, other texts, and media portrayals, students will learn how communications experts conduct themselves in critical situations, and the ethical and other considerations involved. Students will conduct extensive research into the area in order to enhance their own knowledge of the subject.
Prerequisite: COMM 211

COMM 427 Senior News Media Practicum 3-12 cr
 Focuses on editorial and management roles of the campus newspaper in a convergent newsroom, 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 and its online properties for the purpose of expanding skills in team management and producing news.
Prerequisite: COMM 321 and instructor approval
Repeatable: Maximum of 12 credits

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

COMM 490 Senior Seminar 3 cr
 Provides a departmental 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 communication and media, and together the students, polling their special knowledge in these areas, respond to the specific theme, concept, or topic.
Prerequisite: Communication major

COMM 493 Teaching Assistantship in Communications 1-3 cr
 Provides the opportunity for a student to assist in preparation and implementation of a communications course. Course may be repeated for a total of 6 credits.
Prerequisite: Department approval
Repeatable: Maximum of 6 credits

COMM 500 Independent Study 3 cr
 Open to juniors and seniors who wish to read in a given area or to study a topic in depth within the fields of communications, media writing and production, or media and cultural studies. Written reports and frequent conferences with the advisor are required.
Prerequisite: Department approval and junior/senior status
Repeatable: Maximum of 12 credits

COMM 540 Internship in Communications 1-15 cr
 Provides a practical, hands-on field experience to supplement classroom courses. The student works with an on-campus faculty advisor and usually with an on-site supervisor, and the two jointly evaluate the student's work.
Prerequisite: Department approval and junior/senior status
Repeatable: Maximum of 15 credits

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, and a licensure program in education. Please see the Education major for more details.

Creative Writing Minor

Code	Title	Hours
ENGL 208	Experiments in Creative Writing	3
ENGL 250/250H	Introduction to Literature	3
Select three of the following:		9
ENGL 202	The Personal Essay	
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 341/341H	Hybrid Poetics	
ENGL 363	Travel Writing	
ENGL 500	Independent Study	
ENGL 430	Advanced Poetry Workshop	3
or ENGL 435	Advanced Fiction Workshop	
Total Hours		18

English - Film Studies Concentration, B.A.

Code	Title	Hours
Foundation Courses (p. 92)		24
Department Electives		6
ENGL 210	Essentials of Film	3
ENGL 315	Constructing the Short Film	3
ENGL 397	Special Topics in Film	3
ENGL 412	Filmmakers and Filmmaking	3
Select two electives at the 200 level or above or any unselected film studies elective of the following:		6
COMM 410	From Semiotics to Significations (If not used as Foundation Course)	
ENGL 375	Civil War in Literature and Film	
ENGL 397	Special Topics in Film ¹	
ENGL 493	Teaching Assistantship in English/Communications	
ENGL 500	Independent Study	
ENGL 540	Internship in English	
SOCI 325	Contemporary Social Issues Through Film	
SOCI 360	Women, Movies, and MTV (music television)	
Total Hours		48

¹ Course can be repeated.

English - Literature Concentration, B.A.

Code	Title	Hours
Foundation Courses (p. 92)		24
Department Electives		6
ENGL 349	Critical Reading	3
ENGL 351	William Shakespeare	3
Select two literature survey courses (in addition to one foundation course) from the following:		6
ENGL 313	Global Anglophone Language and Literature	
ENGL 451	British Literary Survey	

ENGL 461	American Literary Survey	
ENGL 471	World Literary Survey	
Select two literature electives at the 300 level or above:		6
ENGL 313	Global Anglophone Language and Literature	
ENGL 340	Literature and Society	
ENGL 341/341H	Hybrid Poetics	
ENGL 353	Hawthorne and Melville	
ENGL 361	John Steinbeck	
ENGL 363	Travel Writing	
ENGL 365	Reading the Graphic Novel	
ENGL 367	The Beat Generation	
ENGL 368/368H	The Age of Milton	
ENGL 371	The American Renaissance	
ENGL 372/372H	Arts of Medieval and Renaissance Britain	
ENGL 374	Literature and the Environment	
ENGL 375	Civil War in Literature and Film	
ENGL 377	Novel in Context	
ENGL 381	African American Literature	
ENGL 389	Contemporary American Literature:	
ENGL 392	Queer Identity in Contemporary Literature	
ENGL 393	Faulkner and the Global South	
ENGL 441	Special Topics in Literature	
ENGL 493	Teaching Assistantship in English/Communications	
ENGL 500	Independent Study	
ENGL 540	Internship in English	
Total Hours		48

English - Writing Concentration, B.A.

Code	Title	Hours
Foundation Courses (p. 92)		24
Department Electives		6
Select either Creative Writing or Professional Writing Sequence		18
Total Hours		48

Creative Writing Sequence

Code	Title	Hours
Select three electives at the 200 level or above and three electives at the 300 level or above:		18
COMM 305	Magazine Writing and Editing	
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 341/341H	Hybrid Poetics	
ENGL 363	Travel Writing	
ENGL 430	Advanced Poetry Workshop	
ENGL 435	Advanced Fiction Workshop	
ENGL 493	Teaching Assistantship in English/Communications	
ENGL 500	Independent Study	
ENGL 540	Internship in English	
Total Hours		18

Professional Writing Sequence

Code	Title	Hours
Select three electives at the 200 level or above and three electives at the 300 level or above:		18
COMM 239	Writing and Reporting the News I	
COMM 305	Magazine Writing and Editing	
COMM 306	Business Writing and Presentation	
COMM 309	Technical Writing	
COMM 321	News Media Practicum	
COMM 339	Writing and Reporting the News II	
COMM 396	Public Relations	
COMM 427	Senior News Media Practicum	
ENGL 202	The Personal Essay	
ENGL 302	Creative Writing: Scripts	
ENGL 308	Writing Associate Workshop	
ENGL 493	Teaching Assistantship in English/Communications	
ENGL 500	Independent Study	
ENGL 540	Internship in English	
Total Hours		18

English Minor

Code	Title	Hours
COMM 211	Introduction to Mass Media	3
ENGL 250/250H	Introduction to Literature	3
Any advanced writing course		3
Any four courses from a six course concentration in Literature, Film Studies, or Writing		12
Total Hours		21

Literature Minor

Code	Title	Hours
ENGL 250/250H	Introduction to Literature	3
ENGL 349	Critical Reading	3
Select one of the following Language Studies courses:		3
COMM 410	From Semiotics to Significations	
ENGL 231	The Power of Words	
ENGL 331	The Story of English	
One intermediate or above foreign language		
Select one Texts in Context course ¹		3
Select one Diverse Voices in American Culture course ²		3
Any advanced writing course		3
Total Hours		18

¹ ENGL 365-80

² ENGL 381-95

Environmental Studies

(413) 662-5303

www.mcla.edu/envi (<http://www.mcla.edu/envi/>)

Chairperson: Elena Traister, Ph.D.

Email: Elena.Traister@mcla.edu

Environmental Studies Major

Students in the Environmental Studies major select one of two concentrations: Environmental Science or Environmental Sustainability. The environmental studies major at MCLA prepares students to address challenges of global sustainability. Environmental studies students are part of a close-knit academic community who “learn by doing” as they work to find solutions to regional environmental challenges beginning their freshman year of college in collaboration with local partnering environmental institutions. Hands-on learning takes place in the classroom, in the field, in the laboratory, and as part of research and internships. As an interdisciplinary program, students take courses in departments and disciplines including biology, chemistry, geology, law, and public policy.

Students graduating with a major 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.

Programs

- Earth Science Minor (p. 104)
- Environmental Science Minor (p. 104)
- Environmental Studies - Environmental Science Concentration, B.S. (p. 105)
- Environmental Studies - Environmental Sustainability Concentration, B.S. (p. 105)
- Environmental Sustainability Minor (p. 105)

Environmental Studies Major Foundation Courses

Code	Title	Hours
ENVI 100	Environmental Studies: Entering Student Seminar	1
ENVI 150H	Honors: Introduction to Environmental Systems	4
ENVI 152H	Honors: Environmental Sustainability	4
ENVI 260	Green Living Seminar	2
ENVI 325	Geographic Information Systems	4
ENVI 400	Environmental Studies: Senior Seminar	1
ENVI 401	Independent Research	3
or ENVI 540	Internship in Environmental Studies	
ERTH 152	Introduction to Physical Geology	4
Total Hours		23

Environmental Studies

ENVI 100 Environmental Studies: Entering Student Seminar 1 cr

Introduces students to environmental studies in order to inform students about academic and professional opportunities in the field. Supports incoming students in beginning to develop a professional portfolio, and provides information about research, internships, graduate schools, and jobs through presentations and interactions with peers and mentors. This seminar is required for all MCLA environmental studies majors and will be graded on a pass/fail basis.

Prerequisite: ENVI Major

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI), Honors Program (HONR)

ENVI 152H Honors: Environmental Sustainability 4 cr

Provides a foundation in the nature and properties of natural resources in the context of sustainable environmental management. Students will consider and apply the paradigm of social, environmental and economic sustainability to a variety of natural resource issues such as fossil fuels, renewable energy, wastewater, forestry and wildlife, land protection, food production, urbanization and solid waste and recycling. Required laboratory.

Attributes: Environmental Studies (ENVI), Honors Program (HONR)

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

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.

Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)

<p>ENVI 250 Special Topics in Environmental Studies Focuses attention on a special environmental topic or issue at an introductory level of investigation. Prerequisite: Sophomore status or instructor approval Attributes: Environmental Studies (ENVI) Repeatable: Unlimited Credits</p>	3 cr	<p>ENVI 325 Geographic Information Systems Geographic Information Systems/Science is rapidly becoming the optimum approach for displaying and analyzing both spatial and temporal data in virtually every field. Through a series of "on the job" projects, students will learn the concepts, terminology and computer skills necessary to apply these skills to a variety of subject and occupational areas. Students will complete a final project, report and presentation using GIS in their area of interest. Required laboratory. Attributes: Environmental Studies (ENVI)</p>	4 cr
<p>ENVI 260 Green Living Seminar 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. Attributes: Environmental Studies (ENVI) Repeatable: Maximum of 8 credits</p>	2 cr	<p>ENVI 340 Environmental Law 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. Prerequisite: Junior status Attributes: Environmental Studies (ENVI)</p>	3 cr
<p>ENVI 299 Environmental Studies Practicum 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. Prerequisite: Department approval Attributes: Environmental Studies (ENVI) Repeatable: Maximum of 4 credits</p>	1-3 cr	<p>ENVI 340H Honors: Environmental Law 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. Prerequisite: Junior status Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>	3 cr
<p>ENVI 305 Ecology and Management of the Adirondack Park Focuses on the history, management and natural habitats of the Adirondack Park in New York. Includes travel to the Adirondacks with visits to natural areas and interpretive sites as well as meetings with scientists and land managers. The Adirondack Park will be examined as a case study in sustainability, with a focus on understanding the tensions inherent with simultaneously managing for the region's wilderness, residents, and visitors. Prerequisite: Instructor approval</p>	2 cr	<p>ENVI 350 Advanced Special Topics in Environmental Studies Focuses attention on a special environmental topic or issue at an advanced level of study. Prerequisite: Junior status Attributes: Environmental Studies (ENVI) Repeatable: Unlimited Credits</p>	1-4 cr
<p>ENVI 310 Politics and Environmental Policy 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. Prerequisite: Junior/senior status Attributes: Environmental Studies (ENVI)</p>	3 cr	<p>ENVI 351 Ornithology 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. Prerequisite: BIOL 100 or BIOL 150 or ENVI 150 or ENVI 150H Attributes: Environmental Studies (ENVI)</p>	4 cr
<p>ENVI 315 Environmental Economics 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 150H or ENVI 152H or ECON 141 or ECON 142 and junior status Attributes: Environmental Studies (ENVI)</p>	3 cr	<p>ENVI 352 Environmental Justice Explores the concept of environmental justice through interdisciplinary lenses, including sociological, scientific, literary, and philosophical perspectives. Examines the history of the EJ movement as a response to environmentalist movements that failed to consider differentiated impacts on people based on race, gender, and economic status. Historic and current case studies from around the world serve as concrete examples to enable us to grasp patterns and economic connections. Prerequisite: Junior/senior status</p>	3 cr
<p>ENVI 320 Methods in Environmental Research 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. Prerequisite: ENVI 150H, ENVI 152H, Tier I Quantitative Reasoning, junior status Attributes: Environmental Studies (ENVI)</p>	4 cr		

- ENVI 355 Everglades and South Florida** 3 cr
Explores the history, ecology, and current events of the Everglades and South Florida. Through an extended field trip through South Florida, students will explore the historical and contemporary interactions of people with their environment. Using an environmental history perspective, students will examine topics such as agricultural practices, development pressures, Everglades management, threatened and endangered species, water conservation, natural areas management, and prehistoric people.
Attributes: Environmental Studies (ENVI)
- ENVI 360 Advanced Special Topics in Environmental Science** 1-4 cr
Examines the aspects of environment predominantly from life science perspective. Courses may focus on particular taxa, or particular biological organization at the level of the organism, population, community, or ecosystem. Courses may also focus on various aspects of ecology.
Attributes: Environmental Studies (ENVI)
Repeatable: Unlimited Credits
- 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.
Prerequisite: BIOL 100 or BIOL 150 or ENVI 150H
Attributes: Environmental Studies (ENVI)
- ENVI 400 Environmental Studies: Senior Seminar** 1 cr
Provides a culminating experience for graduating ENVI majors as they prepare to pursue graduate school or employment in the environmental field. Supports students in completing their academic portfolio and in finding and successfully applying for jobs and graduate school. Incorporates a variety of presentations by students and outside professionals. This seminar is required for all MCLA environmental studies majors and will be graded on a pass/fail basis.
Prerequisite: ENVI Major and senior status
- ENVI 401 Independent Research** 1-3 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.
Prerequisite: Department approval
Attributes: Environmental Studies (ENVI)
Repeatable: Maximum of 6 credits
- ENVI 425 Advanced Geographic Information Systems (GIS)** 4 cr
Builds on ENVI 325, providing opportunities for conceptualizing and solving spatial/temporal problems within the student's primary field of study. Complex spatial analysis, quantitative methods, process model building and the substantial use of remotely sensed data will be key elements of this course. Topics will also include geo-coding, mapping ethics and 3-D map visualization. Required laboratory.
Prerequisite: ENVI 325 (grade of C or better)
Attributes: Environmental Studies (ENVI)
- ENVI 499 Teaching Assistantship in Environmental Studies** 1-3 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.
Prerequisite: Department approval
Attributes: Environmental Studies (ENVI)
Repeatable: Maximum of 6 credits
- ENVI 500 Independent Study in Environmental Studies** 1-3 cr
Open to juniors and seniors who wish to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior/senior status, department approval
Attributes: Environmental Studies (ENVI)
Repeatable: Maximum of 12 credits
- ENVI 540 Internship in Environmental Studies** 1-15 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.
Prerequisite: Junior/senior status, departmental approval
Attributes: Environmental Studies (ENVI)
Repeatable: Maximum of 15 credits
- ## Earth Science
- ERTH 151 Introduction to Physical Geography** 4 cr
Studies the natural environment from a geographical perspective. Analyzes the distribution and character of environmental elements, including weather, climate, landforms, soils, and vegetation. Examines consequences of human intervention in natural systems. Required laboratory.
Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)
- ERTH 152 Introduction to Physical Geology** 4 cr
Studies the earth, including the origin and types of earth materials, volcanism and crystal deformation, external earth processes and development of landscapes, geological resources, and geological processes as natural hazards. Required laboratory.
Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)
- ERTH 245 Natural Hazards** 3 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.
Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)
- ERTH 270 Weather and Climate** 3 cr
Examines general meteorological and climatic characteristics through space and time, especially as influenced by temperature, wind, and moisture. Explains atmospheric disturbances at planetary, regional, and local scales.
Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)
- ERTH 271 Landforms** 4 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. Required laboratory
Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)
- ERTH 300 Topics in Physical Geography** 1-4 cr
Analyzes and evaluates selected contemporary problems in Earth Science.
Prerequisite: EARTH 151 or EARTH 152 or EARTH 245
Attributes: Environmental Studies (ENVI)
Repeatable: Unlimited Credits

ERTH 310 Glacier Systems

Studies glacier systems as environmentally significant landscape features; examines glacier hydrology, movement, erosional and depositional processes, glacier related landforms, and cold region landscapes. Pays particular attention to climate-glacier relationships and global warming.

Prerequisite: EARTH 151 or EARTH 152 or EARTH 271 and junior/senior status

3 cr**ERTH 312 Introduction to Soil Science**

Focuses on soil formation, glacial sediments, chemical and biological soil processes, and soil fertility. Topics of special interest will include sustainable agriculture and permaculture, environmental contaminants, deforestation and erosion, and wetlands. Required laboratory work with emphasis on field work.

Prerequisite: ENVI 150H or EARTH 151 or EARTH 152

4 cr**ERTH 330 National Parks and Monuments**

Studies the topography, geology, climate, flora, fauna and scenic qualities of national parks and monuments by describing the history of the national park system and factors threatening its existence.

Prerequisite: Completion of Tier II Science and Technology Requirement

Attributes: Environmental Studies (ENVI)

3 cr**ERTH 370 River Systems**

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.

Attributes: Environmental Studies (ENVI)

3 cr**ERTH 500 Independent Study**

Independent effort directed to the in-depth study of some aspect of earth science.

Prerequisite: Department approval

Attributes: Environmental Studies (ENVI)

Repeatable: Maximum of 12 credits

1-3 cr

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.

Earth Science Minor

The earth science minor complements any major and provides students with knowledge and skills in the geosciences. Students learn how to work with spatial data, explore how earth's surface has been shaped over time, investigate geological processes that lead to natural hazards for people, and study earth's changing climate, among other topics in the geosciences. Flexibility in choosing elective courses in the minor allow students the opportunity to pursue both broad and specific interests in the field.

Code	Title	Hours
ENVI 325	Geographic Information Systems	4
ERTH 270	Weather and Climate	3
ERTH 271	Landforms	4
Select one of the following:		3-4
ERTH 151	Introduction to Physical Geography	
ERTH 152	Introduction to Physical Geology	
ERTH 245	Natural Hazards	

Select two upper level EARTH courses	6
Total Hours	20-21

Environmental Science Minor

Code	Title	Hours
ENVI 150H	Honors: Introduction to Environmental Systems	4
ERTH 152	Introduction to Physical Geology	4
Select at least twelve credits of the following; at least six must have an ENVI prefix:		12

Environmental Science	
ENVI 320	Methods in Environmental Research
ENVI 360	Advanced Special Topics in Environmental Science
ENVI 401	Independent Research
or ENVI 540	Internship in Environmental Studies

Biology	
BIOL 160	Introduction to Biology II: Organisms
BIOL 324	Marine Biology
BIOL 332	Bryology & Lichenology
BIOL 334	Field Botany
BIOL 341	Conservation Biology
BIOL 353	Entomology
BIOL 354	Ecology
ENVI 225	Nature of New England
ENVI/BIOL 351	Ornithology
ENVI 375	Aquatic Ecology

Chemistry	
CHEM 150	Introduction to Chemistry I
CHEM 152	Introduction to Chemistry II

Physical Science	
ENVI 325	Geographic Information Systems
ENVI 425	Advanced Geographic Information Systems (GIS)
ERTH 270	Weather and Climate
ERTH 271	Landforms

Upper Level EARTH courses	
PHYS 131	General Physics I
PHYS 132	General Physics II

Environmental Studies (not more than three credits)	
BIOL 327	Plants and Society
ENVI 152H	Honors: Environmental Sustainability
ENVI 260	Green Living Seminar
ENVI 305	Ecology and Management of the Adirondack Park
ENVI 310	Politics and Environmental Policy
ENVI/ECON 315	Environmental Economics
ENVI 340	Environmental Law
ENVI 350	Advanced Special Topics in Environmental Studies
ENVI 352	Environmental Justice
ENVI 355	Everglades and South Florida

Total Hours	20
--------------------	-----------

Environmental Studies - Environmental Science Concentration, B.S.

Code	Title	Hours
Environmental Studies Major Foundation Courses (p. 101)		23
Environmental Science Concentration:		
BIOL 160	Introduction to Biology II: Organisms	4
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
ENVI 320	Methods in Environmental Research	4
Select at least twelve credits of the following categories:		12
Biology		
BIOL 324	Marine Biology	
BIOL 332	Bryology & Lichenology	
BIOL 334	Field Botany	
BIOL 341	Conservation Biology	
BIOL 353	Entomology	
BIOL 354	Ecology	
ENVI 225	Nature of New England	
ENVI/BIOL 351	Ornithology	
ENVI 375	Aquatic Ecology	
Chemistry		
CHEM 201	Organic Chemistry I	
CHEM 202	Organic Chemistry II	
CHEM 310	Analytical Chemistry	
Environmental Science		
ENVI 360	Advanced Special Topics in Environmental Science	
Environmental Studies (not more than six credits)		
BIOL 327	Plants and Society	
CCCA 202	The Good Earth: The Theme of Agrarianism	
ENGL 371	The American Renaissance	
ENGL 374	Literature and the Environment	
ENVI 260	Green Living Seminar	
ENVI 305	Ecology and Management of the Adirondack Park	
ENVI 310	Politics and Environmental Policy	
ENVI/ECON 315	Environmental Economics	
ENVI 340	Environmental Law	
ENVI 350	Advanced Special Topics in Environmental Studies	
ENVI 352	Environmental Justice	
ENVI 355	Everglades and South Florida	
HLTH 310	Environmental Health	
PHIL 325	Environmental Ethics	
Physical Science		
ENVI 425	Advanced Geographic Information Systems (GIS)	
ERTH 270	Weather and Climate	
ERTH 271	Landforms	
PHYS 131	General Physics I	
PHYS 132	General Physics II	
Upper Level EARTH courses		
Total Hours		51

Environmental Studies - Environmental Sustainability Concentration, B.S.

Code	Title	Hours
Environmental Studies Major Foundation Courses (p. 101)		23
Environmental Sustainability Concentration:		
BIOL 160	Introduction to Biology II: Organisms	4
or BIOL 255	Biodiversity	
ENVI 310	Politics and Environmental Policy	3
ENVI/ECON 315	Environmental Economics	3
ENVI 340	Environmental Law	3
Select twelve credits of the following:		12
Environmental Studies		
BIOL 327	Plants and Society	
CCCA 202	The Good Earth: The Theme of Agrarianism	
ENGL 371	The American Renaissance	
ENGL 374	Literature and the Environment	
ENVI 260	Green Living Seminar	
ENVI 305	Ecology and Management of the Adirondack Park	
ENVI 350	Advanced Special Topics in Environmental Studies	
ENVI 352	Environmental Justice	
ENVI 355	Everglades and South Florida	
HLTH 310	Environmental Health	
PHIL 325	Environmental Ethics	
Not more than 6 total credits from Biology/Environmental Science/Physical Science		
Biology		
BIOL 324	Marine Biology	
BIOL 332	Bryology & Lichenology	
BIOL 334	Field Botany	
BIOL 341	Conservation Biology	
BIOL 353	Entomology	
BIOL 354	Ecology	
ENVI 225	Nature of New England	
ENVI/BIOL 351	Ornithology	
ENVI 375	Aquatic Ecology	
Environmental Science		
ENVI 360	Advanced Special Topics in Environmental Science	
Physical Science		
PHYS 131	General Physics I	
PHYS 132	General Physics II	
ENVI 425	Advanced Geographic Information Systems (GIS)	
ERTH 270	Weather and Climate	
ERTH 271	Landforms	
Upper-Level EARTH Course		
Total Hours		48

Environmental Sustainability Minor

Code	Title	Hours
ENVI 150H	Honors: Introduction to Environmental Systems	4
ENVI 152H	Honors: Environmental Sustainability	4
Select at least twelve credits of the following; at least six must have an ENVI prefix:		12
BIOL 327	Plants and Society	

CCCA 202	The Good Earth: The Theme of Agrarianism
ENGL 371	The American Renaissance
ENGL 374	Literature and the Environment
ENVI 260	Green Living Seminar
ENVI 305	Ecology and Management of the Adirondack Park
ENVI 310	Politics and Environmental Policy
ENVI/ECON 315	Environmental Economics
ENVI 325	Geographic Information Systems
ENVI 340	Environmental Law
ENVI 350	Advanced Special Topics in Environmental Studies
ENVI 352	Environmental Justice
ENVI 355	Everglades and South Florida
HLTH 310	Environmental Health
PHIL 325	Environmental Ethics
Total Hours	20

Health Sciences

(413) 662-5153

www.mcla.edu/academics/academic-departments/health-sciences
(https://www.mcla.edu/academics/academic-departments/health-sciences/)

Chairperson: Justin Golub, Ph.D.

Email: J.Golub@mcla.edu

Health Sciences Major

The general Health Sciences degree prepares students to pursue careers and advanced study in a variety of health fields.

Students graduating with a major in Health Sciences will be able to:

- Understand and apply fundamental concepts in the discipline;
- Find and analyze primary literature in the field;
- Design an experiment to test a hypothesis;
- Demonstrate appropriate technical skills in the laboratory;
- Analyze data, with appropriate statistical analysis;
- Communicate the findings of a scientific experiment or information about a pathology.

MCLA - Russell Sage College Applied Nutrition and Nutrition and Dietetics Articulation Programs

Strong students who have met the requirements in the articulation agreement are guaranteed admission to the Master of Science in Applied Nutrition and Master of Science in Nutrition and Dietetics programs at Russell Sage College in Albany and Troy, NY.

MCLA - Russell Sage College Articulation Program in Pre-Occupational Therapy

Strong Students who meet the requirements outlined in the articulation agreement gain preferred admission to the M.S. in Occupational Therapy program at Russell Sage College in Albany and Troy, NY.

Total MCLA - Russell Sage College Articulation Program in Occupational Therapy Requirements.....35 cr

MCLA - Russell Sage College Articulation Program in Pre-Physical Therapy

Strong Students who meet the requirements outlined in the articulation agreement gain preferred admission to the Doctor of Physical Therapy program at Russell Sage College in Albany and Troy, NY.

Health Science Achievement Award

This award recognizes the achievement of a student in their junior year (at least 1 full semester of classwork remaining) of the Health Science, Athletic Training, and Public Health and Community Health Education major(s). Factors for consideration are GPA, course and department involvement (independent research, TA, SI, etc.), and extracurricular activities.

Programs

- Health Sciences, B.S. (p. 117)
- Health Sciences - Medical Technology Concentration, B.S. (p. 117)
- Health Sciences - Pre-Occupational Therapy Concentration, B.S. (p. 118)
- Health Sciences - Pre-Physical Therapy Concentration, B.S. (p. 118)
- Health Sciences - Sports Medicine Concentration, B.S. (p. 118)
- Health Sciences- Pre-Physician Assistant Concentration, B.S. (p. 118)
- Health Sciences - Nutrition Concentration, B.S. (p. 119)
- Health Sciences - Radiologic Technology Concentration, B.S. (p. 119)

Health

HLTH 100 Clinical Observation 1 cr

Allows the student to learn about a specific health care field through direct observation of clinical practice. The student will work with a faculty sponsor and a clinical supervisor. Students will complete clinical observation and will participate in scheduled discussions about the observation experience. This course is graded on a pass-fail basis and is repeatable to 3 credits. HLTH 100 may be paired with BIOL 500 Independent Study for advanced exploration of the field.

Prerequisite: Department approval

Repeatable: Maximum of 3 credits

HLTH 105 Medical Terminology 1 cr

Allows recognition and accurate use of terminology that describes the human body and its pathological processes, conditions and diseases. Terminology related to procedures and clinical tests will also be addressed.

HLTH 110 Introduction to Healthcare 3 cr

Provides content for a comprehensive survey and introduction to the U.S. health care system. Topics and discussions will include public health, financing of health care, health insurance, politics, health care providers, and delivery of health care. The course will introduce concepts of regulation, legislation, ethics, and elements of health care reform.

HLTH 150 Introduction to Community and Public Health 3 cr

Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.

Attributes: Core Self & Society (CSS)

HLTH 150H Honors: Introduction to Community and Public Health 3 cr

Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.

Attributes: Core Self & Society (CSS), Honors Program (HONR)

<p>HLTH 195 Special Topics in Health Studies 1-4 cr Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the introductory level. Repeatable: Unlimited Credits</p>	<p>HLTH 322 Upper Body Assessment 4 cr Explores all aspects of injury evaluation. Injuries to the upper extremity and cervical spine will be emphasized through lecture and lab. Required laboratory. Prerequisite: BIOL 342</p>
<p>HLTH 200 Health Promotion and Planning 3 cr Introduces students to health promotion programs. Students will develop health education curricula and teaching strategies for individuals and groups across the life span and in a variety of settings. Students will explore curricular design theory, health education needs assessments, instructional strategies, learner characteristics, teaching materials and aids, learning environments, and evaluation methods.</p>	<p>HLTH 337 Therapeutic Modalities 4 cr Explores the physiology of inflammation and pain in the context of injury. Describes the principles and effects of therapeutic modalities (including thermal, acoustic, electrical, light, and mechanical) and promotes appropriate selection and application of the modalities. Required laboratory. Prerequisite: BIOL 150 and sophomore, junior, or senior status</p>
<p>HLTH 201 Exercise Science 3 cr Facilitates an understanding of exercise based on the principles related to training basics, energy systems, muscular fitness and biomechanics. Students will learn to develop training programs for better physical performance and health. Attributes: Core Science & Tech w/o lab (CST)</p>	<p>HLTH 338 Therapeutic Exercise 3 cr Offers students the opportunity to study the techniques and principles involved in rehabilitation of athletic injuries. It includes all aspects of reconditioning exercise and rehabilitation program development. Prerequisite: BIOL 342</p>
<p>HLTH 210 Human Growth and Development 3 cr Explores the life cycle from conception to death. Biological, sociological and psychological perspectives will be examined and applied to everyday situations and social issues. Attributes: Core Self & Society (CSS)</p>	<p>HLTH 339 Therapeutic Exercise with Lab 4 cr Offers students the opportunity to study and practice the techniques and principles involved in rehabilitation of athletic injuries. It includes all aspects of reconditioning exercise and rehabilitation program development. Required laboratory. Prerequisite: BIOL 342</p>
<p>HLTH 210H Honors: Human Growth and Development 3 cr Explores the life cycle from conception to death. Biological, sociological, and psychological perspectives will be examined and applied to everyday situations and social issues. Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>	<p>HLTH 350 Health Communication 3 cr Examines how communication affects and is intertwined with issues of health, medicine and ethics. Communication will be discussed on a personal, intimate level in the way patients and caregivers interact in the examination and hospital room; at the organizational level, in the way policies and community relations affect how health care is provided and how people feel about providers; and in media campaigns that seek to educate people about health. Prerequisite: Junior/senior status</p>
<p>HLTH 295 Special Topics in Health Studies 1-4 cr Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the high introductory level. Prerequisite: Will vary depending on the course Repeatable: Unlimited Credits</p>	<p>HLTH 395 Special Topics in Health Studies 1-4 cr Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the advanced level. Prerequisite: Will vary depending on the course Repeatable: Unlimited Credits</p>
<p>HLTH 300 Ethical Issues in Health Care 3 cr Examines the moral traditions and ethical principles relevant to life, and their application in present-day clinical care and biomedical research. Introduces students to the historical, theoretical, and thematic dimensions of health care ethics. Focuses on main ethical terms and concepts, as well as decision-making procedures that students can use to discern and defend moral courses of action in health care. Prerequisite: Junior/senior status</p>	<p>HLTH 495 Special Topics in Health Studies 1-4 cr Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the high advanced level. Prerequisite: Will vary depending on course Repeatable: Unlimited Credits</p>
<p>HLTH 310 Environmental Health 3 cr Provides a multidisciplinary understanding of the science, practice, laws and policy of environmental health sciences, addressing why risk of disease is modulated by the environment. Topics include types and sources of environmental contaminants, exposure assessment, types of microenvironments, human behavior and time-location-activity patterns, toxicology, the risk assessment paradigm, basics of environmental and occupational epidemiology, and communicating about environmental health sciences. Prerequisite: Junior/senior status and BIOL 150 or HLTH 150 or HLTH 150H</p>	<p>HLTH 500 Health Science Independent Study 1-3 cr Open to junior and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required. Prerequisite: Junior/senior status and department approval Repeatable: Maximum of 12 credits</p>
<p>HLTH 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. Required laboratory. Prerequisite: BIOL 342</p>	<p>HLTH 510 Health Science Independent Research 1-3 cr For health science majors who desire to conduct research on a specific topic in a health science field. The research will be under the direction of the instructor and will require scholarly report. Prerequisite: Junior/senior status, department approval Repeatable: Maximum of 12 credits</p>

<p>HLTH 540 Internship in Community Health Education 3 cr</p> <p>Provides students with hands-on experience outside of the college in the field of community health and wellness. The student will work with a faculty sponsor and an off-campus supervisor, as appropriate. Repeatable up to 12 credits.</p> <p>Prerequisite: HLTH 200 and junior/senior status</p> <p>Repeatable: Maximum of 12 credits</p>	<p>BIOL 150 Introduction to Biology I: Cells 4 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)</p>
<p>HLTH 590 Health Internship 1-15 cr</p> <p>Provides students with hands-on experience in health fields. The student will work with a faculty sponsor and an off-campus supervisor, as appropriate.</p> <p>Prerequisite: Junior/senior status</p> <p>Repeatable: Maximum of 15 credits</p>	<p>BIOL 160 Introduction to Biology II: Organisms 4 cr</p> <p>Introduces the student to evolution, ecology, and diversity of life. This course is designed for, but not limited to, students pursuing a major/minor in science. Required laboratory</p> <p>Prerequisite: BIOL 150 or ENVI 150H</p>
Biology	
<p>BIOL 100 Concepts in Biology 4 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p>	<p>BIOL 195 Special Topics in Biology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the introductory level.</p> <p>Repeatable: Unlimited Credits</p>
<p>BIOL 101 Biology Seminar for Majors 1 cr</p> <p>Introduces students to scientific skills that will support majors in their academic work. Explores the diversity of biological and health fields through presentations, scientific literature and communication activities, and interactions with peers and mentors. This seminar is required for students majoring in biology, health sciences and community health education.</p> <p>Prerequisite: BIOL or HLTH or CHLT Major</p>	<p>BIOL 235 Botany 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 102 Nutrition for Healthy Living with Lab 4 cr</p> <p>Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Required laboratory. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p>	<p>BIOL 240 Genetics 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 150</p>
<p>BIOL 103 Nutrition for Healthy Living 3 cr</p> <p>Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>BIOL 245 Zoology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 150</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 105 Human Biology 3 cr</p> <p>Provides the non-major 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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>BIOL 250 Nutrition 3 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150</p>
	<p>BIOL 255 Biodiversity 4 cr</p> <p>Provides the non-major with focus on global, regional and local patterns of biological diversity and processes that influence these patterns. Central to discussions of biodiversity pattern and process will be scientific principles from ecology, evolution and conservation biology. The impact of humans on natural systems and biodiversity loss will also be discussed. Case studies will be used to illustrate biodiversity loss and proposals to protect and restore biodiversity. Required laboratory.</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p>

<p>BIOL 295 Special Topics in Biology 1-4 cr Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the high introductory level. Prerequisite: Will vary depending on the course Repeatable: Unlimited Credits</p>	<p>BIOL 327 Plants and Society 3 cr Introduces students to the interactions between people and plants in cultures throughout the world. Topics to be discussed include the current and historical use of plants as food, fiber, fuel and medicine. Prerequisite: Junior/senior status Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 302 Applied Statistics in Biology 1 cr Utilizes a format of mini-lectures and group discussions of statistical analyses used in biology and health fields. One hour weekly. Prerequisite: MATH 232 and sophomore status</p>	<p>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. Prerequisite: Sophomore/junior/senior status Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>
<p>BIOL 305 Immunology 3 cr Examines the structure and function of antigens, antibodies and the cellular system of immunity. Additional topics include a study of the complement system, antibody classification, and immunological tolerance. The interaction of all systems will be emphasized. Prerequisite: BIOL 240</p>	<p>BIOL 330 Journal Article Discussion 1 cr Utilizes a format of individual presentations and group discussions of journal articles related to topics in biology or health. One hour weekly. Prerequisite: BIOL 101 and junior/senior status Repeatable: Unlimited Credits</p>
<p>BIOL 307 Pharmacology 3 cr Examines the basic principles of pharmacology. Focuses on prescription and non-prescription drugs, their use, actions, indications, contraindications, misuse and abuse. Drugs will be considered on a body system basis with the appropriate consideration of the application of pharmacological principles as applied to specific body systems. Emphasis is on pharmacological applications to athletic training. Stresses the use of electronic media in both learning exercises and as a source of drug information. Prerequisite: BIOL 150, CHEM 150</p>	<p>BIOL 332 Bryology & Lichenology 4 cr Provides skills in identification and knowledge of taxonomy, biology and ecology of bryophytes (mosses, liverworts, hornworts) and macrolichens, with focus on the taxa found in northeastern North America. Students will gain experience identifying these groups using hand-lenses and microscopes, dissections, and chemical testing, and will learn techniques for preparing a personal reference collection and specimens for museum-vouchered collections. Required laboratory; labs mostly outdoors. Prerequisite: BIOL 160 or BIOL 235</p>
<p>BIOL 312 Epidemiology 3 cr Introduces the student to the field of epidemiology. Students will learn about the distribution, frequency, and determinants of patterns of disease and health conditions in various human populations. Prerequisite: MATH 232 and BIOL 150 or HLTH 150 or HLTH 150H</p>	<p>BIOL 332H Honors: Bryology and Lichenology 4 cr Provides skills in identification and knowledge of taxonomy, biology and ecology of bryophytes (mosses, liverworts, hornworts) and macrolichens, with focus on the taxa found in northeastern North America. Students will gain experience identifying these groups using hand-lenses and microscopes, dissections, and chemical testing, and will learn techniques for preparing a personal reference collection and specimens for museum-vouchered collections. Required laboratory; lab mostly outdoors. Prerequisite: BIOL 160 or BIOL 235 Attributes: Honors Program (HONR)</p>
<p>BIOL 316 Functional Human Anatomy 3 cr Studies human anatomy as it pertains to human motion, with respect to anatomical and musculoskeletal fundamentals. Includes a review of anatomy with emphasis on the function of joints and muscles as they relate to normal human movement. Prerequisite: BIOL 100 or BIOL 150</p>	<p>BIOL 334 Field Botany 4 cr Provides skills in plant identification through extensive fieldwork and study of live and pressed specimens. Emphasis on use of keys and associated terminology, exposure to the major vascular plant groups of northeastern North America, and practice identifying unknown plants. Students will learn about identification, morphology, ecology, taxonomy, and nomenclature of large taxonomic groups such as Poaceae (grasses) and Asteraceae (aster family). Required laboratory; labs mostly outdoors. Prerequisite: BIOL 160 or BIOL 235</p>
<p>BIOL 317 Advanced Genetics 3 cr Studies selected topics in the field of genetics. Emphasizes the genetic mechanism as well as how this enables us to understand how genetics fits into the growing field of biology as well as its impact upon society. Prerequisite: BIOL 240</p>	<p>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</p>
<p>BIOL 320 Microbiology 4 cr Investigates prokaryotic and viral microbes with emphasis on both general and clinical applications. Major topics covered are taxonomy, anatomy, morphology, reproduction and growth, bacterial control, pathogenicity, genetics and genetic engineering. Extensive laboratory protocol is provided. Required laboratory. Prerequisite: BIOL 240 Attributes: Environmental Studies (ENVI)</p>	<p>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. Prerequisite: BIOL 160 or ENVI 150 or ENVI 150H Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 324 Marine Biology 3 cr Explores the factors that limit the abundance and distribution of marine organisms. Topics include the diversity of habitats, reproductive strategies and the interrelationships between organisms, as well as the influence of currents, light, temperature and nutrient supply on the abundance and distribution of life in the oceans. Prerequisite: BIOL 160 Attributes: Environmental Studies (ENVI)</p>	

<p>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</p>	<p>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</p>
<p>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</p>	<p>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: BIOL 240</p>
<p>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. Prerequisite: BIOL 100 or BIOL 150 or ENVI 150 or ENVI 150H Attributes: Environmental Studies (ENVI)</p>	<p>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</p>
<p>BIOL 353 Entomology 4 cr Prepares students to confidently key specimens of New England insects and other relevant taxa to the family, genus or species level. Students will gain extensive practice in examining insects and other relevant invertebrates using hand-lenses and microscopes, as well as identifying live and preserve specimens using dichotomous keys and associated terminology. Students will learn techniques for assembling a personal reference collection and preparing specimens for museum-vouchered collections. Required laboratory. Prerequisite: BIOL 160</p>	<p>BIOL 395 Special Topics in Biology 1-4 cr Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the advanced level. Prerequisite: Will vary depending on the course Repeatable: Unlimited Credits</p>
<p>BIOL 354 Ecology 4 cr Investigates community and ecosystem structure and function, energy transformation, matter cycling, abiotic factors, food webs, symbiosis and populations. Required laboratory. Prerequisite: BIOL 160 or ENVI 150 or ENVI 150H</p>	<p>BIOL 403 Applied Nutrition 3 cr Explores current issues and topics of interest in nutrition, including but not limited to athletic performance, human development, human disease and nutritional therapy, with focus on primary literature. Prerequisite: BIOL 250, junior/senior status</p>
<p>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</p>	<p>BIOL 405 Animal Physiology 4 cr Explores structure and function of major animal organ systems, addressing mechanisms for maintaining homeostasis and body functions. Both vertebrate and invertebrate examples will be used, and experimentation and primary literature will be emphasized. Required laboratory. Prerequisite: BIOL 160, junior/senior status</p>
<p>BIOL 361 Advanced Biochemistry 3 cr Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization. Prerequisite: BIOL 360</p>	<p>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 160, BIOL 240, junior/senior status</p>
<p>BIOL 361H Honors: Advanced Biochemistry 3 cr Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization. Prerequisite: BIOL 360 Attributes: Honors Program (HONR)</p>	<p>BIOL 412 Research Methods in Epidemiology 3 cr Introduces the student to research methods in the field of epidemiology. Students will learn the value of research methodology as applied to the field of epidemiology with a focus on concepts and interpretation of basic research design and statistical analysis. Prerequisite: BIOL 312 and junior/senior status</p>
	<p>BIOL 418 Parasitology 4 cr Introduces students to the principles of parasitology and the related health concerns to humans and animals. Parasites from the following categories will be covered: protozoa, platyhelminthes, nematoda and arthropoda. Required laboratory. Prerequisite: BIOL 150 and junior/senior status</p>

<p>BIOL 420 Bioinformatics 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 243, BIOL 240, junior/senior status</p>	<p>BIOL 484 Biomechanics 3 cr</p> <p>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.</p> <p>Prerequisite: BIOL 316 or BIOL 342 and junior/senior status</p>
<p>BIOL 424 Field Study in Marine Biology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 324, instructor approval, and junior/senior status</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>BIOL 491 BMC: Clinical Chemistry 8 cr</p> <p>Introduces the student to the physiology of the organ systems 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.</p> <p>Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med Tech Clinical Lab Experience</p>
<p>BIOL 440 Exercise Physiology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 343 and junior/senior status</p>	<p>BIOL 492 BMC: Clinical Molecular Biology 1 cr</p> <p>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. Tech. Clinical Lab Experience.</p> <p>Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 445 Pathophysiology 3 cr</p> <p>Provides an in-depth survey of physiological causes and pathological development of diseases that affect various organ systems in the body. Pathologies will be examined at the molecular, cellular, tissue and organ levels, with emphasis on the homeostatic disturbances that lead to disease conditions. Current research insights relating to disease states will be addressed throughout the course.</p> <p>Prerequisite: BIOL 343</p>	<p>BIOL 493 BMC: Clinical Immunology 1 cr</p> <p>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. Tech. Clinical Lab Experience.</p> <p>Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 450 Animal Behavior 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 160, BIOL 240, junior/senior status</p>	<p>BIOL 494 BMC: Clinical Hematology 8 cr</p> <p>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. Tech. Clinical Lab Experience.</p> <p>Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 475 Special Topics in Biology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the high advanced level.</p> <p>Prerequisite: Will vary depending on the course</p> <p>Repeatable: Unlimited Credits</p>	<p>BIOL 495 BMC: Clinical Urinalysis and Body Fluids 1 cr</p> <p>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. Tech. Clinical Lab Experience.</p> <p>Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 480 Cell & Molecular Biology 4 cr</p> <p>Examines the pioneering research in eukaryotic cell and molecular biology. Topics covered include structure and function of organelles, membrane dynamics, intracellular targeting, metabolism, eukaryotic replication, transcription, and translation, and applications to biotechnology. The required laboratory component emphasizes current cell and molecular techniques.</p> <p>Prerequisite: BIOL 240 and junior/senior status</p>	

<p>BIOL 496 BMC: Clinical Microbiology 8 cr</p> <p>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. Tech. Clinical Lab Experience.</p> <p>Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>	<p>ATTR 200 Practicum in Athletic Training I 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 321</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>BIOL 497 BMC: Clinical Immunohematology 5 cr</p> <p>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. Tech. Clinical Lab Experience.</p> <p>Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>	<p>ATTR 201 Practicum in Athletic Training II 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 322</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>BIOL 499 Teaching Assistant in Biology 1-3 cr</p> <p>Provides the opportunity for a student to assist in the preparation and implementation of a biology course.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 6 credits</p>	<p>ATTR 220 Introduction to Athletic Training I 3 cr</p> <p>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.</p> <p>Corequisite: ATTR 100</p>
<p>BIOL 500 Biology Independent Study 1-3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status, department approval</p> <p>Repeatable: Maximum of 12 credits</p>	<p>ATTR 221 Introduction to Athletic Training II 3 cr</p> <p>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.</p> <p>Prerequisite: ATTR 220</p> <p>Corequisite: ATTR 101</p>
<p>BIOL 510 Biology Independent Research 1-3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 15 credits</p>	<p>ATTR 300 Practicum in Athletic Training III 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 337</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>BIOL 540 Biology Internship 1-15 cr</p> <p>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.</p> <p>Prerequisite: Department approval, junior/senior status</p> <p>Repeatable: Maximum of 15 credits</p>	<p>ATTR 301 Practicum in Athletic Training IV 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 338</p> <p>Attributes: Additional Fees Apply (FEE)</p>

Athletic Training

<p>ATTR 100 Observation in Athletic Training I 1 cr</p> <p>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.</p> <p>Corequisite: ATTR 220</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>ATTR 321 Lower Body Assessment 4 cr</p> <p>Explores all aspects of injury evaluation. Injuries to the lower extremity and lumbar spine will be stressed through lecture and lab. Required laboratory.</p> <p>Prerequisite: ATTR major</p>
<p>ATTR 101 Observation in Athletic Training II 1 cr</p> <p>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.</p> <p>Corequisite: ATTR 221</p> <p>Attributes: Additional Fees Apply (FEE)</p>	

<p>ATTR 322 Upper Body Assessment 4 cr</p> <p>Explores all aspects of injury evaluation. Injuries to the upper extremity, head and cervical spine will be stressed through lecture and lab. Required laboratory.</p> <p>Prerequisite: ATTR major</p>	<p>PHED 108 Community First Aid and Safety 1 cr</p> <p>Provides instruction in basic first aid and CPR for the adult, child and infant. Red Cross certification is provided upon successful completion.</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>ATTR 337 Modalities in Athletic Training 4 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p>	<p>PHED 109 Scuba 2 cr</p> <p>Introduces the skills of scuba diving. Successful completion of this course leads to certification in NAUI, a worldwide diving organization.</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>ATTR 338 Therapeutic Exercise 3 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p>	<p>PHED 110 Fundamentals of Tennis 1 cr</p> <p>Instructs students in the fundamentals of tennis and game play.</p> <p>PHED 113 Fundamentals of Beginning Badminton 1 cr</p> <p>Provides the opportunity to learn skills and strategy of racket sports, specifically badminton.</p>
<p>ATTR 340 Athletic Training Management 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status</p> <p>Attributes: Leadership Minor (LDRS)</p>	<p>PHED 120 Emergency Medical Response 1 cr</p> <p>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.</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>ATTR 400 Practicum in Athletic Training V 1 cr</p> <p>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. This course will be graded on a pass/fail basis.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 450</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>PHED 125 Fundamentals of Golf 1 cr</p> <p>Introduces students to the game of golf. Provides basic instruction in a good golf swing and the following: putting, chipping, iron and wood shots.</p> <p>PHED 132 Fitness for Life 1 cr</p> <p>Provides instruction in the components of physical fitness: flexibility, muscular strength and endurance, and cardiovascular endurance. Stress management and nutrition are also discussed.</p>
<p>ATTR 401 Practicum in Athletic Training VI 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR 200, ATTR 201, ATTR 300, ATTR 301, ATTR 400</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>PHED 144 Aikido 1 cr</p> <p>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.</p> <p>PHED 146 Self Defense for Women 1 cr</p> <p>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.</p> <p>Attributes: Women Gender Sexuality Studies (WMST)</p>
<p>ATTR 450 General Medicine in Athletic Training 1 cr</p> <p>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.</p> <p>Prerequisite: BIOL 342, BIOL 343</p>	<p>PHED 147 Fundamentals of Yoga 1 cr</p> <p>Teaches the basic Hatha Yoga postures, breathing exercises and relaxation techniques.</p> <p>PHED 150 Special Topics in Physical Education 1-2 cr</p> <p>Introduces students to a variety of physical education activities. Activities vary according to teaching staff and student needs.</p> <p>Repeatable: Unlimited Credits</p>
<p>PHED 103 Swimming 1 cr</p> <p>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.</p>	<p>PHED 160 Strength and Conditioning 1 cr</p> <p>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.</p> <p>PHED 200 Exercise Injury Prevention and Care 3 cr</p> <p>Explores fundamental principles of exercise safety, injury risk management and emergency care. Involves the study of orthopedic injury, environmental illness, eating disorder and concussion. Certification of CPR/AED and first aid for the adult, child and infant is provided upon completion of the course. Extra course fee required.</p> <p>Attributes: Additional Fees Apply (FEE)</p>

Physical Education

<p>PHED 215 Lifetime Wellness 3 cr</p> <p>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.</p> <p>Attributes: Core Health and Wellness (CHW)</p>	<p>RADT 310 Radiographic Positioning I 4 cr</p> <p>Provides knowledge required to perform radiographic procedures on the chest, abdomen, upper extremities, lower extremities, shoulder girdle, hip and pelvis, with application to human anatomy. Emphasizes concepts and criteria needed to produce and evaluate quality radiographs. Pathological disorders, classification of diseases, and additive and destructive conditions will also be discussed. Required laboratory. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: BIOL 342 and BIOL 343 with a minimum grade of C+ and program acceptance</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>PHED 300 Fundamentals of Coaching 3 cr</p> <p>Facilitates an understanding of sport coaching based on fundamental principles that appropriately guide coaching behaviors. Involves the study and professional development of aspects related to sport coaching, including but limited to: leadership, sportsmanship, legal aspects, ethics, psychosocial aspects, interscholastic rules, organization and administrative aspects.</p> <p>Prerequisite: Sophomore status</p>	<p>RADT 320 Radiographic Positioning II 4 cr</p> <p>Provides knowledge required to perform radiographic procedures on the vertebral column, bony thorax, skull, facial bones, and upper and lower gastrointestinal tract, with application to human anatomy. Emphasizes concepts and criteria needed to produce and evaluate quality radiographs. Pathological disorders, classification of diseases, and additive and destructive conditions will also be discussed. Required laboratory. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 310 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>PHED 395 Special Topics in Physical Education 1-3 cr</p> <p>Explores a specific aspect related to physical education, athletics, coaching or sports medicine. Content identifiable by subtitle.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Unlimited Credits</p>	<p>RADT 330 Radiographic Exposures 3 cr</p> <p>Introduces the physical principles governing x-rays, x-ray production, and x-ray beam characteristics as they relate to quality, improved patient care and protection. Topics include image production factors, x-ray interactions with matter, fluoroscopic x-ray tubes and image intensifier, principles associated with dynamic imaging, radiographic technique includes x-ray beam filtration, beam restriction, and grid use. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 305 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>PHED 500 Independent Study 1-3 cr</p> <p>Open to juniors and seniors who wish to study a topic in depth. Written reports and frequent conferences with the advisor are required.</p> <p>Prerequisite: Junior/senior status, department approval</p> <p>Repeatable: Maximum of 12 credits</p>	<p>RADT 340 Digital Imaging, Processing and Quality 3 cr</p> <p>Introduces components, principles, and operation of digital imaging systems and factors that impact image acquisition, display, and retrieval in radiology, as well as principles of digital system quality assurance and maintenance. Introduces quality assurance, quality control, and quality assessment necessary for the continued production of quality diagnostic radiographic images. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 305 and HLTH 300 or CCAP 300 Ethical Issues in Health Care (all with a minimum grade of C+)</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>PHED 540 Internship in Sport Coaching 3 cr</p> <p>Provides hands-on experience in the field of sports coaching. Students will utilize acquired knowledge, skills and abilities in various aspects of coaching in a sports-related environment. Requires 135 on-site hours. Graded on Pass/Fail basis.</p> <p>Prerequisite: PHED 200 and PHED 300</p>	<p>RADT 350 Radiation Protection and Biology 3 cr</p> <p>Provides an advanced understanding and overview of the principles of radiation protection to allow protection from exposure to radioactivity. Introduces characteristics of radiation as they apply to impacts of radiation on cell biology. Requires application of standards and guidelines for radiation exposure. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 330 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<h2 style="text-align: center;">Radiologic Technology</h2>	
<p>RADT 300 Introduction to Radiologic Technology 2 cr</p> <p>Emphasizes critical thinking and patient care principles needed for initial clinical experiences. Topics include physical and psychological needs of the patient and family, routine and emergency patient care procedures, infection control, communication, diversity, patient education, privacy, medico-legal issues, radiation protection, proper body mechanics, safe patient transfer, and contrast media's imaging applications and reactions. Successful completion requires a minimum grade of C+.</p> <p>Prerequisite: Program acceptance</p>	
<p>RADT 305 Radiographic Physics 3 cr</p> <p>Introduces concepts of physics applied to x-ray generating equipment, including radiologic science, atomic structure, structure of matter, radiation quantities and units, fundamentals of electromagnetic radiation, electricity, magnetism, force and energy, electron interactions with matter, and the relationship between magnetism and electricity with focus on application to x-ray circuit components and generators. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: Minimum grade of C+ in MATH 150 and program acceptance</p> <p>Attributes: Additional Fees Apply (FEE)</p>	

<p>RADT 355 Clinical Radiography I 2 cr</p> <p>Allows interaction with patients and health care team members in a health care imaging department. This first clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 300 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 432 Principles of Computed Tomography II 3 cr</p> <p>Focuses on computed tomography (CT) exam procedures, cross-sectional anatomy, pathology and radiation protection; second of a two-course sequence. Addresses aspects of patient care and contrast agents. Includes 40 hrs of clinical observation. Successful completion requires a minimum grade of C. Students may apply for the ARRT certification exam upon successful completion of RADT 431 and RADT 432, plus documented completion of the ARRT Clinical Experience Requirements in Computed Tomography.</p> <p>Prerequisite: RADT 431 with a minimum grade of C</p>
<p>RADT 365 Clinical Radiography II 3 cr</p> <p>Allows interaction with patients and health care team members in a health care imaging department. This second clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 310 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 433 Clinical Education in CT 4 cr</p> <p>Focuses on clinical application of computed tomography. This clinical experience allows the student to develop practical skills through instruction, application, critique, and evaluation on common computed tomography imaging procedures. Areas of competency include clinical indications, patient preparation and positioning, scanning protocols, radiographic technique, use of contrast media, normal anatomy and pathology and special procedures. Additional fee required.</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 370 Radiographic Pathology 3 cr</p> <p>Provides an understanding of the clinical manifestations of common pathological conditions as they appear on radiographs. Allows for identification of radiographic features as they relate to characteristics of the disease/disorder, and provides information about how technical values are affected by pathological conditions. Successful completion requires a minimum grade of C+.</p> <p>Prerequisite: RADT 330 with a minimum grade of C+</p>	<p>RADT 434 Principles of Mammography I 3 cr</p> <p>Provides fundamentals of mammography including history, equipment and quality control; first of a two-course sequence. Addresses in-depth anatomy, physiology and pathology of the breast. Includes 40 hrs of clinical observation. Successful completion requires a minimum grade of C. Students may apply for ARRT certification exam upon successful completion of RADT 434 and RADT 435, plus documented completion of the ARRT Clinical Experience Requirements in Mammography.</p> <p>Prerequisite: RADT 340 with a minimum grade of C+</p>
<p>RADT 395 Special Topics in Radiologic Technology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics in radiologic technology. Successful completion requires a minimum grade of C+.</p> <p>Prerequisite: Varies by course</p> <p>Repeatable: Unlimited Credits</p>	<p>RADT 435 Principals of Mammography II 3 cr</p> <p>Focuses on mammographic procedures, patient care and image evaluation. Second of a two-course sequence. Explores breast ultrasound, digital breast tomosynthesis, biopsies and breast cancer. Includes 50 hrs of clinical practice. Successful completion requires a minimum grade of C. Students may apply for the ARRT certification exam upon successful completion of RADT 434 and 435, plus documented completion of the ARRT Clinical Experience Requirements in Mammography.</p> <p>Prerequisite: RADT 434 with a minimum grade of C</p>
<p>RADT 420 Advanced Imaging and Pharmacology 3 cr</p> <p>Provides instruction in modalities, interventional radiography, pharmacology and drug administration as applied to advanced radiographic procedures. Utilizes radiographs for specialized study of cross-sectional anatomy relevant to imaging modalities such as CT and MRI. Introduces additional imaging modalities such as CT, MRI, mammography, ultrasound, bone densitometry, nuclear medicine, and PET. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 320 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 436 Clinical Education in Mammography 4 cr</p> <p>Focuses on clinical application of mammography. Emphasizes equipment utilization, exposure techniques, patient care, evaluation of procedures, image evaluation, image quality, radiation safety practices, positioning protocols, image acquisition, radiation protection, breast ultrasound and interventional imaging. Requires clinical exams in mammography. Additional fee required.</p> <p>Prerequisite: RADT 435 with a minimum grade of C</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 431 Principles of Computed Tomography I 3 cr</p> <p>Provides fundamentals of computed tomography (CT) including history, equipment and quality control; first of a two-course sequence. Addresses aspects of data acquisition, digital analysis and image processing. Includes 40 hr of clinical observation. Successful completion requires a minimum grade of C. Students may apply for the ARRT certification exam upon successful completion of RADT 431 & RADT 432, plus documented completion of the ARRT Clinical Experience Requirements in Computed Tomography.</p> <p>Prerequisite: RADT 340 with a minimum grade of C+</p>	<p>RADT 440 Radiographic Critique and Analysis 3 cr</p> <p>Focuses on radiographic image critique from a problem-based perspective. Enhances the student's knowledge of factors that influence the production of radiographic images and the correlation with radiographic critique. Bridges the gap between patient positioning and the resulting radiograph, and focuses on the analysis of image quality. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 420 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>

RADT 455 Clinical Radiography III

Allows interaction with patients and health care team members in a health care imaging department. This third clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required.

Prerequisite: RADT 365 with a minimum grade of C+

Attributes: Additional Fees Apply (FEE)

RADT 465 Clinical Radiography IV

Allows interaction with patients and health care team members in a health care imaging department. This fourth clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required.

Prerequisite: RADT 455 with minimum grade of C+

Attributes: Additional Fees Apply (FEE)

RADT 475 Clinical Radiography V

Allows interaction with patients and health care team members in a health care imaging department. This fifth clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required.

Prerequisite: RADT 465 with minimum grade of C+

Attributes: Additional Fees Apply (FEE)

RADT 480 Senior Seminar

Focuses on factors that impact decision-making related to delivery of health care and radiological practice. Topics addressed include recent scientific findings in related fields of medicine, imaging modalities, and the future of radiographic study. Focuses on the synthesis of professional knowledge, skills and attitudes in preparation for professional practice and lifelong learning. Successful completion requires a minimum grade of C+. Additional fee required.

Prerequisite: Minimum overall GPA of 2.3 and completion of RADT 455 with a minimum grade of C+

Attributes: Additional Fees Apply (FEE)

RADT 495 Special Topics in Radiologic Technology

Provides students with an opportunity to explore different topics in radiologic technology at the advanced level. Successful completion requires a minimum grade of C+.

Prerequisite: Varies by course

Repeatable: Maximum of 4 credits

RADT 496 Special Topics Radiography I

Focuses on fundamentals of a radiographic specialty, including history, instrumentation and quality control, data acquisition, digital analysis and image processing; first of a two-course sequence. Includes 40 hrs of clinical observation. Successful completion of this course with a minimum grade of C may fulfill one of the requirements for applying for the relevant ARRT certification exam.

Prerequisite: RADT 340 with a minimum grade of C+

6 cr RADT 497 Special Topics Radiography II

Continues education in a radiographic specialty, including topics such as exam procedures, in-depth anatomy and pathology, specialized protection procedures, and patient care. Includes 40 hrs of clinical observation. Successful completion of this course with a minimum grade of C may fulfill one of the requirements for applying for the relevant ARRT certification exam.

Prerequisite: Overall 2.3 GPA and RADT 495 with a minimum grade of C+

RADT 498 Special Topics in Clinical Radiography

Focuses on clinical application of a radiographic specialty. Areas of competency may include clinical indications, patient preparation and positioning, imaging protocols, radiographic technique, image evaluation, normal anatomy and pathology and special procedures. Successful completion of this course with a minimum grade of C may fulfill one of the requirements for applying for the relevant ARRT certification exam. Additional fee required.

Prerequisite: Instructor approval

Attributes: Additional Fees Apply (FEE)

Repeatable: Maximum of 5 credits

Health Sciences, B.S.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 240	Genetics	4
BIOL 250	Nutrition	3
BIOL 302	Applied Statistics in Biology	1
BIOL 320	Microbiology	4
BIOL 342	Anatomy and Physiology I	4
BIOL 343	Anatomy and Physiology II	4
Biology Elective (400 level or above) Except BIOL 499 or BIOL 540		3-4
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
HLTH 210/210H	Human Growth and Development	3
MATH 232/232H	Introduction to Statistics	3
PSYC 100	Introduction to Psychology	3
Total Hours		45-46

Health Sciences - Medical Technology Concentration, B.S.

In the Medical Technology concentration, students complete three years of coursework at MCLA and a clinical year at Berkshire Medical Technology program. Students who complete this concentration can become certified medical technologists.

Berkshire Medical Center, Pittsfield

Lori Moore, M.Ed., MT (ASCP) Honorary Associate at MCLA and Program Director for the School of Medical Technology at Berkshire Medical Center;

Jessica Krochmal, MD, Director of Laboratories at Berkshire Medical Center

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 240	Genetics	4

BIOL 302	Applied Statistics in Biology	1
BIOL 305	Immunology	3
BIOL 320	Microbiology	4
BIOL 342	Anatomy and Physiology I	4
BIOL 343	Anatomy and Physiology II	4
BIOL 491	BMC: Clinical Chemistry	8
BIOL 492	BMC: Clinical Molecular Biology	1
BIOL 493	BMC: Clinical Immunology	1
BIOL 494	BMC: Clinical Hematology	8
BIOL 495	BMC: Clinical Urinalysis and Body Fluids	1
BIOL 496	BMC: Clinical Microbiology	8
BIOL 497	BMC: Clinical Immunohematology	5
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
MATH 232/232H	Introduction to Statistics	3
Total Hours		76

Health Sciences - Pre-Occupational Therapy Concentration, B.S.

The Pre-Occupational Therapy concentration includes the standard prerequisite courses for advanced study in occupational therapy.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 240	Genetics	4
BIOL 302	Applied Statistics in Biology	1
BIOL 342	Anatomy and Physiology I	4
BIOL 343	Anatomy and Physiology II	4
BIOL 484	Biomechanics	3
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
HLTH 210/210H	Human Growth and Development	3
MATH 232/232H	Introduction to Statistics	3
PHYS 131	General Physics I	4
PSYC 100	Introduction to Psychology	3
PSYC 270	Abnormal Psychology	3
SOCI 100	Introduction to Sociology	3
Total Hours		48

Health Sciences - Pre-Physical Therapy Concentration, B.S.

The Pre-Physical Therapy concentration includes the standard prerequisite courses for advanced study in physical therapy.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 240	Genetics	4
BIOL 302	Applied Statistics in Biology	1
BIOL 342	Anatomy and Physiology I	4
BIOL 343	Anatomy and Physiology II	4
Biology or Athletic Training elective (300 level or above)		3-4

BIOL 440	Exercise Physiology	4
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
HLTH 210/210H	Human Growth and Development	3
MATH 232/232H	Introduction to Statistics	3
PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
PSYC 100	Introduction to Psychology	3
Total Hours		50-51

Health Sciences - Sports Medicine Concentration, B.S.

The concentration in Sports Medicine includes standard prerequisite courses for M.S. programs in Athletic Training and other sport-related fields such as Exercise Science.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
or HLTH 195	Special Topics in Health Studies	
BIOL 150	Introduction to Biology I: Cells	4
BIOL 240	Genetics	4
BIOL 250	Nutrition	3
BIOL 302	Applied Statistics in Biology	1
BIOL 320	Microbiology	4
BIOL 342	Anatomy and Physiology I	4
BIOL 343	Anatomy and Physiology II	4
BIOL 440	Exercise Physiology	4
BIOL 484	Biomechanics	3
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
HLTH 100	Clinical Observation	1
HLTH 210/210H	Human Growth and Development	3
MATH 232/232H	Introduction to Statistics	3
PHYS 131	General Physics I	4
PSYC 100	Introduction to Psychology	3
Total Hours		54

Health Sciences- Pre-Physician Assistant Concentration, B.S.

The Pre-Physician Assistant concentration includes the standard prerequisite courses for Physician Assistant programs.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 240	Genetics	4
BIOL 302	Applied Statistics in Biology	1
BIOL 320	Microbiology	4
BIOL 342	Anatomy and Physiology I	4
BIOL 343	Anatomy and Physiology II	4
BIOL 360	Biochemistry	3
Biology elective (400-level or above) Except BIOL 499 or BIOL 540		3-4
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4

HLTH 210/210H	Human Growth and Development	3
MATH 232/232H	Introduction to Statistics	3
PSYC 100	Introduction to Psychology	3

Total Hours 49-50

Health Sciences - Nutrition Concentration, B.S.

The concentration in Nutrition includes standard courses for those pursuing careers as nutritionists and dietitians. The courses in this concentration are a prerequisite for graduate programs in nutrition.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 240	Genetics	4
BIOL 250	Nutrition	3
BIOL 302	Applied Statistics in Biology	1
BIOL 342	Anatomy and Physiology I	4
BIOL 343	Anatomy and Physiology II	4
BIOL 360	Biochemistry	3
BIOL 403	Applied Nutrition	3
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
HLTH 150/150H	Introduction to Community and Public Health	3
HLTH 540	Internship in Community Health Education ¹	1-3
or HLTH 590	Health Internship	
MATH 232/232H	Introduction to Statistics	3
PSYC 100	Introduction to Psychology	3
Total Hours		53-55

¹ HLTH 590 Health Internship must have a nutrition focus.

Health Sciences - Radiologic Technology Concentration, B.S.

In the Radiologic Technology concentration, students prepare for a career in the field of diagnostic imaging. This specific advanced education degree meets the need for sophisticated imaging management and leadership that can respond to clinical, organizational and fiscal demands facing the healthcare industry today. Students complete two years preparatory and general core course work earning placement into the concentration and clinical years in their third year.

Acceptance into RADT coursework takes place during the spring semester of a student's second year. Acceptance is limited with chances of acceptance increased by completing pre-requisite courses at MCLA and by earning grades higher than the minimum in these courses. Requirements include an overall GPA > 2.85; grades of C+ or higher in BIOL 150, BIOL 342, BIOL 343; HLTH 110 and HLTH 105; and minimum grades of C in MATH 150 or C+ in College Algebra. Additional details are provided at [mcla.edu/academics/academic-departments/health-sciences/radiologic-tech](https://www.mcla.edu/academics/academic-departments/health-sciences/radiologic-tech) (<https://www.mcla.edu/academics/academic-departments/health-sciences/radiologic-tech>).

Please note that students are required to attend at least one summer session after acceptance into the RADT coursework to complete this degree. During

this session, students are required to attend clinical sessions a minimum of 40 hours per week for a period of 11 weeks. Students are encouraged not to engage in activities which carry a significant time commitment during this session.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
BIOL 150	Introduction to Biology I: Cells	4
BIOL 342	Anatomy and Physiology I	4
BIOL 343	Anatomy and Physiology II	4
HLTH 105	Medical Terminology	1
HLTH 110	Introduction to Healthcare	3
HLTH 210/210H	Human Growth and Development	3
HLTH/CCAP 300	Ethical Issues in Health Care ¹	3
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
MATH 150	Precalculus	3
MATH 232/232H	Introduction to Statistics	3
PSYC 100	Introduction to Psychology	3
RADT 300	Introduction to Radiologic Technology	2
RADT 305	Radiographic Physics	3
RADT 310	Radiographic Positioning I	4
RADT 320	Radiographic Positioning II	4
RADT 330	Radiographic Exposures	3
RADT 340	Digital Imaging, Processing and Quality	3
RADT 350	Radiation Protection and Biology	3
RADT 355	Clinical Radiography I	2
RADT 365	Clinical Radiography II	3
RADT 370	Radiographic Pathology	3
RADT 420	Advanced Imaging and Pharmacology	3
Select one of the following courses		3
RADT 431	Principles of Computed Tomography I	
RADT 434	Principles of Mammography I	
RADT 496	Special Topics Radiography I	
Select one of following courses		3
RADT 432	Principles of Computed Tomography II	
RADT 435	Principals of Mammography II	
RADT 497	Special Topics Radiography II	
RADT 440	Radiographic Critique and Analysis	3
RADT 455	Clinical Radiography III	6
RADT 465	Clinical Radiography IV	4
RADT 475	Clinical Radiography V	4
RADT 480	Senior Seminar	3
Total Hours		99

¹ CCAP 300 must be Ethical Issues in Health Care

History

(413) 662-5019

www.mcla.edu/hist (<http://www.mcla.edu/hist/>)

Chairperson: Anthony Daly, Ph.D.

Email: Anthony.Daly@mcla.edu

History Major

The Department of History & Political Science offers a four-year program leading to a Bachelor of Arts in History. Following completion of foundation courses, students pursue different fields of history depending upon their intellectual and career interests. This flexible program furnishes a useful background for careers in public service, education, environmental studies, government, law, journalism, public communication, and business.

Students graduating with a major 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.

Programs

- History Minor (p. 122)
- History, B.A. (p. 122)
- Public History Minor (p. 122)

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.

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.

Attributes: Core Human Heritage (CHH)

HIST 113 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.

Attributes: Core Human Heritage (CHH)

HIST 114 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.

Attributes: Core Human Heritage (CHH)

HIST 125 World Regional Geography 3 cr

Introduces theories, terms and past and contemporary topics in human geography, including how cultures are born and change, how groups of people organize themselves and their activities both spatially and politically, how patterns of activities emerge and change across time and space, and how we interact with our environments. Students in this course will explore demographic, economic, and social trends and issues across the globe in their geographic and historical context.

Attributes: Core Human Heritage (CHH)

HIST 220 Reformers, Rebels, Revolutionaries in East Asia 3 cr

Using a "lives and times" approach, this course will introduce to students some men and women whose lives reflect major social, cultural, political and economic developments in the modern history of East Asia (China, Japan, Korea, and Vietnam). These individuals were uniquely positioned to influence history when their society experienced profound transition and transformation through imperialism, industrialization, wars, and social conflicts.

Attributes: Core Human Heritage (CHH)

HIST 230 War, Science, and Society 3 cr

Using a variety of case studies from European and world history, this course concentrates on increasing students' understanding of how conflict and scientific innovation have combined to change societies. Students will research and analyze a broad range of source materials to develop their ability to construct arguments and interpretations and express them logically and persuasively in speech and writing. Possible topics include atomic energy, medicine, transportation, and weaponry.

Attributes: Core Human Heritage (CHH)

HIST 240 Reacting to the Past 3 cr

Explores selected periods in American history using elaborate, role playing historical games based in the American past. This course seeks to draw students into engaging the past, developing their understanding and analysis of historical sources, and improving skills in speaking, writing, and leadership. The games covered in the course will vary from semester to semester.

Attributes: Core Human Heritage (CHH)

HIST 250 Museums, Monuments & Memory 3 cr

Explores the ways that we remember the past. Students will engage with artifacts, museums, public symbols like monuments, and events meaningful to their own histories. They will work with local organizations to learn new methods of preserving history and presenting it to public audiences. Using a variety of case studies, this collaborative course will confront debates about the politics of history and explore how diverse audiences interact with history and historical memory.

Attributes: Core Human Heritage (CHH)

HIST 290 Historical Methods and Theory 3 cr

Introduces the discipline of history, with emphasis in the following areas: how to find, analyze, assess, and utilize primary and secondary source materials; understanding historiography - the study of how history is "made"; the possibilities of digital and public history; how to create written work in upper-level courses that exhibits sound scholarship and meets professional citation standards.

Prerequisite: Sophomore status

<p>HIST 305 Topics in European History 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status or HIST 290</p> <p>Repeatable: Unlimited Credits</p>	<p>HIST 360 Practicing History 3 cr</p> <p>Focuses on a project, issue, or theme in public history. Emphasis will be placed on completing a collaborative project at MCLA or in the northern Berkshire community as well as developing skills in interpreting historical sources, research, writing, and oral communication. Possible topics include: North Adams History Harvest; Civil War Memory; The Holocaust and World War II; Women in the Berkshires.</p> <p>Prerequisite: HIST 250 or HIST 290 or AMGT 235 or junior/senior status</p> <p>Repeatable: Unlimited Credits</p>
<p>HIST 310 Topics in Asian History 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status or HIST 290</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p> <p>Repeatable: Unlimited Credits</p>	<p>HIST 401 Seminar in Historical Periods 3 cr</p> <p>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.</p> <p>Prerequisite: HIST 290, junior/senior status</p> <p>Repeatable: Unlimited Credits</p>
<p>HIST 320 Topics in United States History 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status or HIST 290</p> <p>Repeatable: Unlimited Credits</p>	<p>HIST 403 Seminar in Issues in History 3 cr</p> <p>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.</p> <p>Prerequisite: HIST 290, junior/senior status</p> <p>Repeatable: Unlimited Credits</p>
<p>HIST 330 Topics in Latin American History 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status or HIST 290</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p> <p>Repeatable: Unlimited Credits</p>	<p>HIST 405 Senior Thesis 3 cr</p> <p>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.</p> <p>Prerequisite: Senior status</p>
<p>HIST 340 Topics in the Middle East and Muslim World 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status or HIST 290</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p> <p>Repeatable: Unlimited Credits</p>	<p>HIST 450 Career and ePortfolio Workshop 1 cr</p> <p>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.</p> <p>Prerequisite: HIST Major, senior status</p>
<p>HIST 350 Topics in African History 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status or HIST 290</p> <p>Repeatable: Unlimited Credits</p>	<p>HIST 500 Independent Study 1-3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 12 credits</p>

HIST 510 Teaching Assistant in History **3 cr**

Offers highly qualified majors or minors in history an opportunity to assist an instructor in the conduct of a course. The student may be held responsible for conducting classes, review sessions, consulting on course materials, etc.

Prerequisite: Department approval

Repeatable: Maximum of 6 credits

HIST 540 Internship in History **1-15 cr**

Qualified students may be placed as interns in governmental and social service agencies, museums, etc.

Prerequisite: Junior/senior status and department approval

Repeatable: Maximum of 15 credits

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.

History Minor

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.

Code	Title	Hours
Select six History courses, four of which must be 300 level or above		18
Total Hours		18

History, B.A.

Code	Title	Hours
History Major Foundation Courses		
HIST 103	Pre-Modern World Civilization	3
HIST 104	Modern World Civilization	3
HIST 113	United States History to 1877	3
HIST 114	United States History after 1877	3
HIST 290	Historical Methods and Theory	3
POSC 201	United States Government	3
or POSC 202	Comparative Government	
Select two of the following: ¹		6
HIST 220	Reformers, Rebels, Revolutionaries in East Asia	
HIST 230	War, Science, and Society	
HIST 240	Reacting to the Past	
HIST 250	Museums, Monuments & Memory	
Junior Level Requirements		
Select four of the following: ²		12
HIST 305	Topics in European History	
HIST 310	Topics in Asian History	
HIST 320	Topics in United States History	
HIST 330	Topics in Latin American History	
HIST 340	Topics in the Middle East and Muslim World	
HIST 350	Topics in African History	
HIST 360	Practicing History	
Senior Level Requirements		
HIST 450	Career and ePortfolio Workshop	1
Select two from either/or of the following:		6
HIST 401	Seminar in Historical Periods	

HIST 403	Seminar in Issues in History	
Select one of the following:		3
One additional 400-level seminar		
HIST 405	Senior Thesis	
HIST 540	Internship in History	
Total Hours		46

¹ History majors pursuing education licensure may substitute POSC 201 United States Government or POSC 202 Comparative Government for one of these courses.

² No more than one course from a country or region can count towards this requirement

Public History Minor

The Public History minor provides students with knowledge, skills, and hands-on experience that can be used as preparation for a variety of careers in public history such as local, state, and national historic sites, archives, and museums. This minor draws on the strengths of the History and Arts Managements programs to provide students with the opportunities to combine expertise in history with applied learning in areas such as fundraising and marketing.

Code	Title	Hours
AMGT 235/235H	Fundamentals of Arts and Culture Organizations	3
AMGT 540	Internship in Arts & Culture	3
or HIST 540	Internship in History	
HIST 250	Museums, Monuments & Memory	3
HIST 290	Historical Methods and Theory	3
HIST 360	Practicing History	3
Select two electives of the following: ¹		6
AMGT 245	Arts and Culture Marketing	
AMGT 255	Financial Management in Arts and Culture	
AMGT 330	Grants & Fund Raising	
AMGT 335	Museum Studies	
AMGT 345/345H	Community Arts and Education	
AMGT 435	Advanced Museum Studies	
HIST 305	Topics in European History	
HIST 310	Topics in Asian History	
HIST 320	Topics in United States History	
HIST 330	Topics in Latin American History	
HIST 340	Topics in the Middle East and Muslim World	
HIST 350	Topics in African History	
POSC 307	State and Local Politics	
Total Hours		21

¹ History majors must choose at least two AMGT courses. Arts Management majors must choose two HIST/POSC courses. Courses used to fulfill the Public History Minor cannot be counted toward a minor in Arts Management or History.

Honors Program

(413) 662-5371

www.mcla.edu/honr (<http://www.mcla.edu/honr/>)

Co-Director: Hannah Haynes, Ph.D.

Email: Hannah.Haynes@mcla.edu

Co-Director: Mohamad Junaid, Ph.D.

Email: Mohamad.Junaid@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.

Programs

- All College Honors Program (p. 125)
- Commonwealth Scholar Program (p. 125)

AMGT 235H Honors: Fundamentals of Arts and Culture 3 cr

Explores functional elements of arts and culture organizations with emphasis on strategic planning and organizations' fit in the arts ecosystem. An in-depth study of arts management focusing on topics including planning, organizational identity, environmental analysis, strategy development, marketing, human resources, financial planning, fundraising and control systems. Focus will be on the strategic management process and organizational innovation in the context of the contemporary arts environment.

Attributes: Honors Program (HONR)

AMGT 345H Honors: Community Arts Education 3 cr

Explores the work of artist educators in and out of school contexts; develops skills to identify learning objectives for their work; documents educational work; increases the potency of marketing and descriptive material.

Prerequisite: AMGT 130 or AMGT 235

Attributes: Honors Program (HONR)

ANTH 130H Honors: 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.

Attributes: Core Self & Society (CSS), Honors Program (HONR)

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 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.

Prerequisite: ANTH 130 or ANTH 240

Attributes: Honors Program (HONR)

BADM 440H Honors: Advanced Leadership 3 cr

Examines various topics in leadership studies, both current and historical. Emphasis will be placed on exploring and developing the student's personal leadership philosophy, style, and approach. Possible topics could include operational, strategic, and ethical considerations within today's dynamic social, corporate, and non-profit environment. Additional research component will be required of students taking this course for honors credit.

Prerequisite: Junior status

Attributes: Honors Program (HONR)

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.

Prerequisite: Sophomore/junior/senior status

Attributes: Environmental Studies (ENVI), Honors Program (HONR)

BIOL 332H Honors: Bryology and Lichenology 4 cr

Provides skills in identification and knowledge of taxonomy, biology and ecology of bryophytes (mosses, liverworts, hornworts) and macrolichens, with focus on the taxa found in northeastern North America. Students will gain experience identifying these groups using hand-lenses and microscopes, dissections, and chemical testing, and will learn techniques for preparing a personal reference collection and specimens for museum-vouchered collections. Required laboratory; lab mostly outdoors.

Prerequisite: BIOL 160 or BIOL 235

Attributes: Honors Program (HONR)

BIOL 361H Honors: Advanced Biochemistry 3 cr

Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization.

Prerequisite: BIOL 360

Attributes: Honors Program (HONR)

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.

Attributes: Core Self & Society (CSS), Honors Program (HONR)

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.

Attributes: Core Science & Tech w/o lab (CST), Honors Program (HONR)

ENGL 250H Honors: Introduction to Literature 3 cr

Seeks to develop each students' 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.

Attributes: Core Creative Arts (CCA), Honors Program (HONR)

<p>ENGL 341H Honors: Hybrid Poetics 3 cr</p> <p>Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.</p> <p>Prerequisite: Junior/senior status</p> <p>Attributes: Honors Program (HONR)</p>	<p>HLTH 150H Honors: Introduction to Community and Public Health 3 cr</p> <p>Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.</p> <p>Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>
<p>ENGL 368H Honors: The Age of Milton 3 cr</p> <p>Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Sampson Agonistes," and "Paradise Lost".</p> <p>Prerequisite: ENGL 250</p> <p>Attributes: Honors Program (HONR)</p>	<p>HLTH 210H Honors: Human Growth and Development 3 cr</p> <p>Explores the life cycle from conception to death. Biological, sociological, and psychological perspectives will be examined and applied to everyday situations and social issues.</p> <p>Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>
<p>ENGL 372H Honors: Arts of Medieval and Renaissance Britain 3 cr</p> <p>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.</p> <p>Prerequisite: ENGL 250, sophomore status, instructor approval (Students pay travel fee)</p> <p>Attributes: Additional Fees Apply (FEE), Honors Program (HONR)</p>	<p>HONR 100 The Nature of Human Nature 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH), Honors Program (HONR)</p>
<p>ENVI 150H Honors: Introduction to Environmental Systems 4 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI), Honors Program (HONR)</p>	<p>HONR 102 Topics in Honors 3 cr</p> <p>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.</p> <p>Attributes: Honors Program (HONR)</p> <p>Repeatable: Unlimited Credits</p>
<p>ENVI 152H Honors: Environmental Sustainability 4 cr</p> <p>Provides a foundation in the nature and properties of natural resources in the context of sustainable environmental management. Students will consider and apply the paradigm of social, environmental and economic sustainability to a variety of natural resource issues such as fossil fuels, renewable energy, wastewater, forestry and wildlife, land protection, food production, urbanization and solid waste and recycling. Required laboratory.</p> <p>Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>	<p>HONR 201 Special Topics in Honors 3 cr</p> <p>Undertakes a concentrated study of an interdisciplinary subject to be determined by the honors director in consultation with the Honors Advisory Board.</p> <p>Attributes: Honors Program (HONR)</p> <p>Repeatable: Unlimited Credits</p>
<p>ENVI 340H Honors: Environmental Law 3 cr</p> <p>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.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>	<p>HONR 210 Director's Book Course 1 cr</p> <p>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.</p> <p>Prerequisite: Membership in the Honors Society</p> <p>Attributes: Honors Program (HONR)</p> <p>Repeatable: Unlimited Credits</p>
<p>ENGL 341H Honors: Hybrid Poetics 3 cr</p> <p>Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.</p> <p>Prerequisite: Junior/senior status</p> <p>Attributes: Honors Program (HONR)</p>	<p>HONR 301 Special Topics in Honors 3 cr</p> <p>Undertakes a concentrated study of an interdisciplinary subject to be determined by the honors director in consultation with the Honors Advisory Board.</p> <p>Attributes: Honors Program (HONR)</p> <p>Repeatable: Unlimited Credits</p>
<p>ENGL 341H Honors: Hybrid Poetics 3 cr</p> <p>Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.</p> <p>Prerequisite: Junior/senior status</p> <p>Attributes: Honors Program (HONR)</p>	<p>HONR 401 Special Topics in Honors 3 cr</p> <p>Undertakes a concentrated study of an interdisciplinary subject to be determined by the honors director in consultation with the Honors Advisory Board.</p> <p>Attributes: Honors Program (HONR)</p> <p>Repeatable: Unlimited Credits</p>

- HONR 500 Independent Study in Honors** 1-12 cr
Open to juniors and seniors who desire to read widely in a given area or to study a specific topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Department approval
Attributes: Honors Program (HONR)
Repeatable: Maximum of 12 credits
- 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.
Prerequisite: Honors Program Director Approval
Attributes: Honors Program (HONR)
Repeatable: Maximum of 6 credits
- IDST 150H Honors: Introduction to Cross-Cultural and Social Justice** 3 cr
Opens up a perspective on cultural diversity in local and global contexts. Takes an interdisciplinary approach to consider how historically shaped intersections of race, class, gender, and ethnicity inform the contemporary and past experiences of individuals and groups in society. Considers social justice and (in)equality by studying themes such as racism; classism; migration; globalization and labor rights; human trafficking; Islamophobia; and environmental justice.
Attributes: Core Human Heritage (CHH), Honors Program (HONR)
- MATH 232H Honors: Introduction to Statistics** 3 cr
Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major.
Attributes: Quantitative Reasoning (CMA), Honors Program (HONR)
- PHIL 110H Honors: World Religions** 3 cr
Examines basic texts, concepts, presuppositions and ways of life of several major religious traditions. Drawing on both sacred texts and scholarly analyses, as well as fictional and journalistic accounts, the course aims to understand and assess the meaning of religion in human life.
Attributes: Core Human Heritage (CHH), Honors Program (HONR)
- PHIL 120H Honors: Art and Philosophy** 3 cr
Adopts a philosophical approach to the experience, understanding and critical assessment of the products and processes of the creative arts. Our inquiries will center on two traditional questions of aesthetic theory. What is art? What is art's special value? This course will be more theoretical than hands-on, though direct, continued experience in the various creative arts will be encouraged and figure prominently in most discussions and assignments.
Attributes: Core Creative Arts (CCA), Honors Program (HONR)
- 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.
Attributes: Core Human Heritage (CHH), Honors Program (HONR)
- 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.
Prerequisite: Junior/senior status
Attributes: Honors Program (HONR)
- 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.
Prerequisite: A 100 or 200 level philosophy course
Attributes: Honors Program (HONR)
- PHIL 500 Directed Independent Study** 1-3 cr
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: A 100-level and a 200-level philosophy course, junior/senior status, department approval
Attributes: Honors Program (HONR)
Repeatable: Maximum of 12 credits
- PSYC 208H Honors: 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.
Prerequisite: PSYC 100 or any Self and Society course,
Attributes: Honors Program (HONR)
- SOCI 201H Honors: Social Problems** 3 cr
Studies problems and disorganization in modern industrial society such as: poverty, racism, sexism, environmental pollution, militarism, and family issues.
Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS), Honors Program (HONR)

All College Honors Program 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

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

Code	Title	Hours
HONR 550	Commonwealth Scholar Thesis Research (To be repeated once in a different semester)	3

Interdisciplinary Studies

(413) 662-5378

www.mcla.edu/idst (<http://www.mcla.edu/idst/>)

Chairperson: Rita Nnodim, Ph.D.

Email: R.Nnodim@mcla.edu

Interdisciplinary Studies Major

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

B.A. Interdisciplinary Studies (Self-Designed Program)

MCLA's unique B.A. Interdisciplinary Studies (Self-Designed) program offers motivated students the option to create their own, self-designed degree, for example by focusing on a thematic area of interest, a geographic region, a complex issue, or by combining two or more academic fields into a multidisciplinary major. Examples of a self-designed program could include, but are not limited to: European Studies, Film & Theatre, Psychology & Business, Arts & Psychology, Science & Communication, etc.

B.A. Interdisciplinary Studies (for Educators)

MCLA students can combine an education major at the early childhood or elementary school level with a program in interdisciplinary studies that will prepare them for teaching across the curriculum. At the middle school level (5-8), we offer programs in general science; math and science; as well as humanities in conjunction with an education licensure program.

B.A. Interdisciplinary Studies (Pre-designed Programs)

Students may opt to pursue a pre-designed interdisciplinary program. These interdisciplinary programs are based on pre-structured study-plans and include:

- Cultural Studies
- American Studies
- International and Global Studies

Students graduating with a major in Interdisciplinary Studies will be able to:

- Demonstrate advanced critical thinking, academic research, writing, and oral presentation skills;
- Have an understanding of how knowledge is created within different fields of inquiry;
- Study important issues in societies past and present in local and global contexts from the vantage point of different disciplines and through interdisciplinary frameworks;
- Study complex issues in society from ethical perspectives;
- Analyze texts in cultural, social, and historical contexts;
- Apply methods, approaches, and insights from different disciplines and interdisciplinary frameworks 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;

- Assume an informed, critical, and responsible position as citizens of our increasingly interconnected world.

Programs

- American Ethnic Studies Minor (p. 128)
- Cross-Cultural & Social Justice Minor (p. 129)
- Interdisciplinary Studies (Pre-Designed) - American Studies Area of Concentration, B.A. (p. 130)
- Interdisciplinary Studies (Pre-Designed) - Cultural Studies Area of Concentration, B.A. (p. 130)
- Interdisciplinary Studies (Pre-Designed) - International and Global Studies Area of Concentration, B.A. (p. 130)
- Interdisciplinary Studies, B.A. (p. 131)

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

Opens up a perspective on culture diversity in local and global contexts. Takes an interdisciplinary approach to consider how historically shaped intersections of race, class, gender, and ethnicity inform the contemporary and past experiences of individuals and groups in society. Considers social justice and (in)equality by studying themes such as racism; classism; migration; globalization and labor rights; human trafficking; Islamophobia; and environmental justice.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Human Heritage (CHH)

IDST 150H Honors: Introduction to Cross-Cultural and Social Justice 3 cr

Opens up a perspective on cultural diversity in local and global contexts. Takes an interdisciplinary approach to consider how historically shaped intersections of race, class, gender, and ethnicity inform the contemporary and post experiences of individuals and groups in society. Considers social justice and (in)equality by studying themes such as racism; classism; migration; globalization and labor rights; human trafficking; Islamophobia; and environmental justice.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

IDST 250 Introduction to Interdisciplinary Studies 3 cr

Introduces students to the world of Interdisciplinary Studies. Draws on selected academic disciplines (such as sociology, history, political science, psychology, and cultural studies) to develop interdisciplinary frameworks applied to the study of complex issues in society that cannot be understood or solved through the lens of a single academic discipline. Course topic is identified by subtitle.

Attributes: Core Self & Society (CSS)

Repeatable: Unlimited Credits

IDST 251 Introduction to Urban Studies 3 cr

Traces cities back to their origins and ends with the present day where urbanization is happening faster than ever. Following a chronological order, we will examine how global forces and local communities are intimately connected. The course draws from various academic disciplines and introduces students to basic concepts such as density, zoning, gentrification, and urban renewal. The goal is to help students become informed thinkers critical of urban designs and suburban lifestyle.

Attributes: Core Self & Society (CSS)

IDST 280 Introduction to the Interdisciplinary Studies Major and Degree Plan 1 cr

Provides beginning interdisciplinary majors with the opportunity to develop a sense of agency and ownership of their educational pathway through the creation of an individualized degree plan. Students will familiarize themselves with the IDST program at MCLA and engage with themes such as: conceptualizations and definitions of interdisciplinarity; the history of academic disciplines and the emergence of interdisciplinary studies; the interdisciplinary research process.

Prerequisite: IDST 250-259 or IDST 150

IDST 320 Methods in Interdisciplinary Studies 3 cr

Provides students with competencies in interdisciplinary research methods. Students will be introduced to the interdisciplinary research process and engage in research projects, applying disciplinary and interdisciplinary methods, theories, and concepts to the study of complex themes that cannot be understood through the lens of a single disciplinary lens. Course topics vary and are identified by subtitle (e.g. City & Social Space; Global Refugees of the 21st Century).

Prerequisite: Junior/senior status

IDST 350 World History in Contexts 3 cr

Studies themes related to a geographic area, nation, epoch, or selected social group in historical contexts. Students will critically engage with a variety of sources, such as written historical 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.

Prerequisite: Junior/senior status

Repeatable: Unlimited Credits

IDST 351 Race and Racism from a Global Perspective 3 cr

Deconstructs the global construct of race by focusing on the tangled connections between state, race, culture, and identity. Relying on materials from across disciplines, the course aims to deepen students' understanding of the complexity of race and racism and the importance of interdisciplinary approaches. After a theoretical section, the course will explore the global dissemination of race and formations of racial identities, and will end with a case study on Sino-Africa engagement.

Prerequisite: Junior/senior status

IDST 352 Environmental Justice 3 cr

Explores the concept of environmental justice through interdisciplinary lenses, including historical, sociological, scientific, literacy, and philosophical perspectives. Examines the history of the EJ movement as a response to environmentalist movements that failed to consider differentiated impacts on people based on race, gender, and economic status. Historic and current case studies from around the world serve as concrete examples to enable us to grasp patterns and economic connections.

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 academic disciplines (such as sociology, history, psychology, literature, and cultural studies) and through interdisciplinary perspectives. Course topic identified by subtitle.

Prerequisite: Junior/senior status

Repeatable: Unlimited Credits

IDST 361 Madness and Society 3 cr

Studies how understandings of mental health and illness are inextricably linked to society, culture, space, and time. Draws on theories, concepts, and insights from history, sociology, psychology, cultural anthropology, and media studies to study topics such as the history of mental illness; the influence of gender and social class on mental well-being; mental illness across cultures; and media representations of mental illness.

Prerequisite: Junior/senior status

IDST 362 Chinese Urban Cultures 3 cr

Seeks to understand the socio-cultural changes in China following economic reforms in the 1980s. Exploring topics such as youth culture, gender and sexuality, and rural migration, we will focus on the shifting relationship between the state and common people's cultural life. The course uses a multi-disciplinary approach and incorporates various interesting materials including cultural analyses, anthropological research, a mystery fiction, and founding notes of a utopic community.

Prerequisite: Junior/senior status

IDST 401 Senior Seminar 3 cr

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

Prerequisite: Senior IDST Major

IDST 500 Directed Independent Study 1-3 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

Repeatable: Maximum of 12 credits

IDST 540 Interdisciplinary Internship 1-6 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

Repeatable: Maximum of 15 credits

Teaching Licensure

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

American Ethnic Studies Minor

Code	Title	Hours
ENGL 207	Introduction to American Ethnic Studies	3
Select three Diverse Voices/Cross Cultural courses (from at least two disciplines) of the following:		9
CCHH 230	Introduction to Latinx Studies	
ENGL 381	African American Literature	
ENGL 387	Latino/a American Literature	
ENGL 389	Contemporary American Literature:	
ENGL 392	Queer Identity in Contemporary Literature	
ENGL 393	Faulkner and the Global South	
ENVI 340	Environmental Law	
HIST 113	United States History to 1877	

HIST 114	United States History after 1877
HLTH 150	Introduction to Community and Public Health or HLTH 150H Honors: Introduction to Community and Public Health
IDST 150	Introduction to Cross-Cultural & Social Justice Studies or IDST 150H Honors: Introduction to Cross-Cultural and Social Justice
IDST 250	Introduction to Interdisciplinary Studies (Relevant Topics)
IDST 251	Introduction to Urban Studies
POSC 201	United States Government
PSYC 230	Social Psychology
Select two upper level Comparative Ethnic Studies courses (300 level or above) 6 of the following:	
COMM 400	Intercultural Communication
ENGL 313	Global Anglophone Language and Literature
ENGL 331	The Story of English
ENGL 388	Visions and Voices: American Ethnic Literature and Art
ENGL 401	Open Up: Community Dialogue Workshop
ENGL 441	Special Topics in Literature (Relevant Topics)
ENGL 490	Senior Seminar (Relevant Topics) ¹ or COMM 490 Senior Seminar
HIST 320	Topics in United States History (Relevant Topics)
IDST 352	Environmental Justice or ENVI 352 Environmental Justice
PSYC 356	Psychology of Gender
SOCI 305	Latinas in US Society
SOCI 321	Race and Ethnic Relations
SOWK 395	Special Topics in Social Work (Relevant Topics)

Total Hours **18**

Cross-Cultural & Social Justice Minor

The cross-cultural and social justice minor encourages students to make a difference in an increasingly diverse, complex, and unequal world. Students enrolled in the minor will study and analyze issues around social and environmental justice, marginalization, and (in)equality in local, cross-cultural, and global contexts. This includes the study of social change, social movements, and conceptualizations of a more just society and world.

Code	Title	Hours
IDST 150	Introduction to Cross-Cultural & Social Justice Studies	3
Lower-Level Electives		6
Upper-Level Electives		9
Total Hours		18

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.

Lower Level Electives

Code	Title	Hours
ANTH 130	Introduction to Sociocultural Anthropology (OR ANTH 240)	
CCHH 110	Topics in Human Heritage ¹	
CCHH 230	Introduction to Latinx Studies	
ENGL 207	Introduction to American Ethnic Studies	

IDST 250-259 ²

SOCI 100 Introduction to Sociology (OR SOCI 201)

Upper Level Electives

Code	Title	Hours
ANTH 305	Anthropology of Refugees and Displacement	
ANTH 310	Global Health	
ANTH 323	Culture and Conflict in Africa	
ANTH 345	Culture, Health and Illness	
ANTH 370	Culture, Power and Protest	
ANTH 395	Special Topics in Anthropology (not more than one)	
BADM 390	Managing Workplace Diversity	
COMM 319	Global Issues in Communication	
COMM 400	Intercultural Communication	
ENGL 313	Global Anglophone Language and Literature	
ENGL 381	African American Literature (OR ENGL 392 OR ENGL 387 OR ENGL 441) ⁴	
HIST 310	Topics in Asian History (OR HIST 330 OR HIST 340 or HIST 350)	
IDST 320	Methods in Interdisciplinary Studies ²	
PHIL 322	Business Ethics	
IDST 350-369 ²		
PHIL 325	Environmental Ethics	
PHIL 350	Contemporary Moral Issues	
PHIL 360	Social and Political Philosophy	
PHIL 385	Special Topics in Philosophy ⁵	
POSC 304	Constitutional Law	
POSC 316	Topics in Global Political Science ⁶	
POSC 330	Latin American Politics and Society	
POSC 333	The Politics of War and Conflict	
POSC 340	Inequality and Social Policy or SOWK 340 Inequality and Social Policy	
POSC 420	Global Development	
SOCI 305	Latinas in US Society	
SOCI 321	Race and Ethnic Relations	
SOCI 351	Criminology	
SOCI 395	Special Topics in Sociology (not more than one) ²	
SOCI 402	Genocide	
SOCI 441	Social Stratification	
SOWK 355	Community Organizing	
SOWK 395	Special Topics in Social Work ⁷	
SPAN 370	Hispanic Literature in Context	
SPAN 390	Special Topics in Hispanic Literature and Film (not more than one)	

¹ Must focus on cross-cultural and/or social justice themes. (e.g. The Idea of Latin America)

² Must focus on cross-cultural and/or social justice themes.

³ Must focus on cross-cultural and/or social justice theme (e.g. Visual Anthropology, Ethnographies of South Asia, Anthropology of Violence)

⁴ Must focus on cross-cultural and/or social justice theme (e.g., Creativity and Survival, Visions & Voices, American Ethnic Literature and Art)

⁵ Must focus on cross-cultural and/or social justice theme (e.g., History of Japan, History of India, Chinese Culture and Civilization, Latin American Politics and Society, Modern Middle East.

- ⁶ Must focus on cross-cultural and/or social justice theme. (e.g.Theories of Justice, Justice and Immigration, Marx)
- ⁷ Must focus on cross-cultural and/or social justice theme (e.g., Sub-Saharan African Politics)
- ⁸ Must focus on cross-cultural and/or social justice theme (e.g., Intergroup Dialogue)

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

Interdisciplinary Studies (Pre-Designed) - American Studies Area of Concentration, B.A.

Code	Title	Hours
IDST 150	Introduction to Cross-Cultural & Social Justice Studies	3
Select one Introduction to Interdisciplinary Studies course within the IDST 250-259 range ¹		3
IDST 280	Introduction to the Interdisciplinary Studies Major and Degree Plan	1
IDST 320	Methods in Interdisciplinary Studies	3
Select two upper level electives within the IDST 350-369 range ^{2,3}		6
IDST 401	Senior Seminar	3
ENGL 207	Introduction to American Ethnic Studies	3
Select three lower level Intersections in American Culture and Society courses (from at least 2 disciplines) of the following:		9
CCHH 230	Introduction to Latinx Studies	
CCSS 260	Schools, the Law and Society	
CCSS 269	Education and Society	
COMM 211	Introduction to Mass Media	
ENVI 226	Nature of New England	
HIST 113	United States History to 1877 (OR HIST 114 OR HIST 240)	
POSC 201	United States Government	
Select two upper level History and English courses (at least one from each discipline) of the following:		6
ENGL 365-ENGL 380:Texts in Contexts (American Theme) ⁴		
ENGL 381-ENGL 384:Diverse Voices in American Culture ⁵		
ENGL 461	American Literary Survey	
HIST 320	Topics in United States History (American Immigration and Ethnicity)	
Select four upper level Comparative United States Ethnic Studies courses (from at least 2 disciplines) chosen in consultation with advisor		12
Total Hours		49

- ¹ Recommended: IDST 251 Introduction to Urban Studies.
- ² Recommended: IDST 352 Race and Racism from a Global Perspective.
- ³ With the approval of the students' IDST advisor, the one of the upper level required courses (IDST 350-369) may be replaced by IDST 500 Directed Independent Study, IDST 540 Interdisciplinary Studies Internship, or an elective in the students' area(s) of study provided the course is interdisciplinary in content/approach.
- ⁴ e.g. ENGL 375 Civil War in Literature and Film.
- ⁵ e.g. ENGL 381 African American Literature.

Interdisciplinary Studies (Pre-Designed) - Cultural Studies Area of Concentration, B.A.

Code	Title	Hours
IDST 150	Introduction to Cross-Cultural & Social Justice Studies	3
Select one Introduction to Interdisciplinary Studies course within the IDST 250-259 range ¹		3
IDST 280	Introduction to the Interdisciplinary Studies Major and Degree Plan	1
IDST 320	Methods in Interdisciplinary Studies	3
Select two upper level electives within the IDST 350-369 range (relating to themes in Cultural Studies) ^{2,3}		6
IDST 401	Senior Seminar	3
Lower level courses from at least two disciplines other than IDST relating to themes in Cultural Studies and approved by IDST advisor		12
Upper level courses from at least two disciplines other than IDST relating to themes in Cultural Studies and approved by IDST advisor		18
Total Hours		49

- ¹ Recommended: IDST 251 Introduction to Urban Studies.
- ² Recommended: IDST 351 Race and Racism from a Global Perspective; IDST 360 Bollywood: Popular Cinema in India and the Diaspora; IDST 361 Madness and Society; IDST 362 Chinese Urban Cultures.
- ³ Note: With the approval of the students' IDST advisor, one of the upper level required courses (IDST 350-369) may be replaced by IDST 500 Directed Independent Study, IDST 540 Interdisciplinary Studies Internship, or an elective in the students' area(s) of study provided the course is interdisciplinary in content/approach.

Interdisciplinary Studies (Pre-Designed) - International and Global Studies Area of Concentration, B.A.

Code	Title	Hours
IDST 150	Introduction to Cross-Cultural & Social Justice Studies	3
Select one Introduction to Interdisciplinary Studies course within the IDST 250-259 range ¹		3
IDST 280	Introduction to the Interdisciplinary Studies Major and Degree Plan	1
IDST 320	Methods in Interdisciplinary Studies	3
Select two upper level electives within the IDST 350-369 range ^{2,3}		6
IDST 401	Senior Seminar	3
Lower level courses from at least two disciplines other than IDST relating to themes in International and Global Studies and approved by IDST advisor		12
Upper level courses from at least two disciplines other than IDST relating to themes in International and Global Studies and approved by IDST advisor		18
Total Hours		49

- ¹ Recommended: IDST 251 Introduction to Urban Studies.
- ² Recommended: IDST 351 Race and Racism from a Global Perspective, IDST 362 Chinese Urban Cultures, IDST 360 Bollywood: Popular Cinema in India and the Diaspora.

³ Note: With the approval of the students' IDST advisor, one of the upper level required courses (IDST 350-369) may be replaced by IDST 500 Directed Independent Study, IDST 540 Interdisciplinary Studies Internship, or an elective in the students' area(s) of study provided the course is interdisciplinary in content/approach.

Interdisciplinary Studies, B.A.

Code	Title	Hours
IDST 150	Introduction to Cross-Cultural & Social Justice Studies	3
Select one Introduction to Interdisciplinary Studies course within the IDST 250-259 range		3
IDST 280	Introduction to the Interdisciplinary Studies Major and Degree Plan	1
IDST 320	Methods in Interdisciplinary Studies	3
Select two upper level electives within the IDST 350-369 range ¹		6
IDST 401	Senior Seminar	3
Lower level courses from at least 2 disciplines other than IDST		12
Upper level courses from at least 2 disciplines other than IDST		18
Total Hours		49

¹ Note: With the approval of the student's IDST advisor, one of the upper level required courses (IDST 350-369) may be replaced by IDST 500 Directed Independent Study, IDST 540 Interdisciplinary Studies Internship, or an elective in the student's area(s) of study, provided the course is interdisciplinary in content and approach.

Mathematics

(413) 662-5367

www.mcla.edu/math (<http://www.mcla.edu/math/>)

Chairperson: Christopher Thomas, Ph.D.

Email: C.Thomas@mcla.edu

Mathematics Major Program

The Department of Mathematics offers a four-year program leading to a Bachelor of Science 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 major 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.

Programs

- Mathematics - Mathematics Education Concentration, B.S. (p. 134)
- Mathematics Minor (p. 135)
- Mathematics, B.S. (p. 134)

MATH 100 Math for Educators I 3 cr

Reviews key concepts in numbers, operations, and algebra. Examines proofs and explanations suitable for elementary instruction. Covers: number bases other than ten, the order of operations, and the addition, subtraction, multiplication, and division of integers, fractions, and algebraic expressions.

MATH 101 Math for Educators II 3 cr

Reviews key concepts in functions, algebra, and geometry. Examines proofs and explanations suitable for elementary instruction. Covers: decimals, percents, exponents, radicals, functions, sequences, equations, dimensional analysis, and basic geometry, including angles, areas, volumes, and basic proofs.

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.

Attributes: Quantitative Reasoning (CMA)

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.

Prerequisite: Placement based on SAT scores and high school background

Attributes: Quantitative Reasoning (CMA)

MATH 201 Math Modeling for Educators 3 cr

Examines topics addressed in middle school mathematics and more advanced topics, at the sophomore math major level, from one of these four areas: Problem solving, reasoning, and numeration; Properties of patterns and relations, and algebra; Euclidean geometry and measurement; Integration of the above areas with probability and statistics. Not open to math majors.

Prerequisite: Instructor approval

MATH 220 Calculus I 3 cr

Examines limits, continuity, the derivative, differentiation of elementary functions, applications of the derivative and an introduction to the antiderivative. The first of a four-part sequence.

Prerequisite: MATH 150, placement based on SAT and high school background or department approval

Attributes: Quantitative Reasoning (CMA)

MATH 232 Introduction to Statistics 3 cr

Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major.

Attributes: Quantitative Reasoning (CMA)

MATH 232H Honors: Introduction to Statistics 3 cr

Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major.

Attributes: Quantitative Reasoning (CMA), Honors Program (HONR)

MATH 240 Proof I 3 cr

Introduces sets, Boolean logic, combinatorics, functions, and the basics of mathematical proof.

Prerequisite: Completion of Tier I Quantitative Reasoning or instructor approval

MATH 250 Discrete Mathematics 3 cr

Provides a foundation in mathematical topics central to the study of computer science, emphasizing mathematical reasoning and algorithms. Topics include propositional logic, Boolean algebra, mathematical proofs and induction, computer arithmetic, elementary combinatorics, recursion, graphs and trees, matrices, sequences and summation.

MATH 261 Linear Algebra 3 cr

Investigates the theory of vector spaces, linear equations, linear transformations, determinants, inner product spaces, eigenvalues and eigenvectors.

Prerequisite: MATH 240

MATH 270 Statistics and Data Analysis 4 cr

Examines descriptive statistics, probability, discrete and continuous random variables, confidence intervals, hypothesis testing, analysis of variance, regression and correlation. Includes normal distribution, t-distribution, chi square distribution. Required computer programming laboratory.

<p>MATH 286 Topics in Mathematics 1-4 cr</p> <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> <p>Repeatable: Unlimited Credits</p>	<p>MATH 360 Number Theory 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 261</p>
<p>MATH 301 Math for Middle and High School Educators 3 cr</p> <p>Provides in-depth explanations for the mathematics taught in middle and high school: algebra, equations, and functions. Covers methods for providing differentiated instruction - reviewing topics from arithmetic (fractions, numbers, and operations) while simultaneously introducing new topics.</p> <p>Prerequisite: Completion of Tier I Quantitative Reasoning</p>	<p>MATH 362 Abstract Algebra 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 310</p>
<p>MATH 310 Proof II 3 cr</p> <p>Examines a wide variety of proof techniques (e.g. direct, by contradiction, by contrapositive, bi-directional, uniqueness, by induction, by counter-example). Students will practice these techniques and learn how and when to apply each one. Functions and relations will provide many examples, and be covered in-depth.</p> <p>Prerequisite: MATH 240</p>	<p>MATH 365 Mathematical Modeling 3 cr</p> <p>Explores the development of mathematical models that solve different types of problems, including both discrete and continuous real-world problems that are either deterministic or probabilistic. Determines solutions analytically and through the use of mathematical software.</p> <p>Prerequisite: MATH 320</p>
<p>MATH 320 Calculus II 3 cr</p> <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>	<p>MATH 372 History of Mathematics 3 cr</p> <p>Examines the historical development of mathematics and its impact from ancient to modern times.</p> <p>Prerequisite: MATH 320</p>
<p>MATH 330 Calculus III 3 cr</p> <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>	<p>MATH 380 Differential Equations 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 330, CSCI 121 or CSCI 246</p>
<p>MATH 331 Probability and Statistics I 3 cr</p> <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, and MATH 270</p>	<p>MATH 390 Numerical Analysis 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 320</p>
<p>MATH 332 Probability and Statistics II 3 cr</p> <p>Examines functions of random variables, sampling distribution, limit theorems, estimation, hypotheses testing, linear regression, correlation, analysis of variance and analysis of enumerative data.</p> <p>Prerequisite: MATH 331</p>	<p>MATH 430 Calculus IV 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 330</p>
<p>MATH 340 Graph Theory 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 240</p>	<p>MATH 440 Topology 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 310</p>
<p>MATH 344 Geometry 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 310</p>	<p>MATH 444 Operations Research 3 cr</p> <p>Covers various interrelated topics such as linear programming, network analysis, game theory, probability and queuing theory, and optimization theory.</p> <p>Prerequisite: MATH 430</p>
<p>MATH 345 Game Theory 3 cr</p> <p>Introduces game theory terminology, zero-sum, two-person games, minimax theorem, optimal mixed strategies and applications to economics.</p> <p>Prerequisite: MATH 261</p>	<p>MATH 455 Complex Variables 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 430</p>

MATH 460 Real Analysis **3 cr**

Examines the basis of calculus with a rigorous exploration of the function concept from both a set-theoretic and topological viewpoint with particular attention to the completeness of the real number system, limits, continuity and convergence of sequences and series.

Prerequisite: MATH 310, MATH 330

MATH 465 Financial Mathematics **3 cr**

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

Prerequisite: MATH 320

MATH 486 Special Topics in Mathematics **1-4 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

Repeatable: Unlimited Credits

MATH 500 Independent Study **1-3 cr**

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

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

MATH 540 Internship in Mathematics **3-15 cr**

Qualified students may be placed as interns in mathematically oriented positions. The internship is designed to supplement and apply classroom study.

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 15 credits

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 licenses must complete a mathematics major and a licensure program in education.

Mathematics, B.S.

Program Requirements

Code	Title	Hours
MATH 220	Calculus I	3
MATH 240	Proof I	3
MATH 261	Linear Algebra	3
MATH 270	Statistics and Data Analysis	4
MATH 310	Proof II	3
MATH 320	Calculus II	3
MATH 330	Calculus III	3
MATH 430	Calculus IV	3
PHYS 151	Introduction to Mechanics	4
Select one course in each of the following areas:		12
Area I		
MATH 360	Number Theory	
MATH 362	Abstract Algebra	
Area II		

MATH 380	Differential Equations	
MATH 390	Numerical Analysis	
MATH 455	Complex Variables	
MATH 460	Real Analysis	
Area III		
MATH 331	Probability and Statistics I	
MATH 365	Mathematical Modeling	
MATH 444	Operations Research	
MATH 465	Financial Mathematics	
Area IV		
MATH 340	Graph Theory	
MATH 344	Geometry	
MATH 440	Topology	
Select one of the following computer programming courses:		3
CSCI 121	Programming in Java I	
CSCI 246	Programming in C#	
other computer programming course		
Three additional mathematics courses 300 level or above		9
Total Hours		53

Mathematics - Mathematics Education Concentration, B.S.

Code	Title	Hours
MATH 220	Calculus I	3
MATH 240	Proof I	3
MATH 261	Linear Algebra	3
MATH 270	Statistics and Data Analysis	4
MATH 301	Math for Middle and High School Educators	3
MATH 310	Proof II	3
MATH 320	Calculus II	3
MATH 330	Calculus III	3
MATH 344	Geometry	3
MATH 372	History of Mathematics	3
MATH 430	Calculus IV	3
PHYS 151	Introduction to Mechanics	4
Select one course to satisfy Area I:		3
MATH 360	Number Theory	
MATH 362	Abstract Algebra	
Select one course to satisfy Area II		3
MATH 380	Differential Equations	
MATH 390	Numerical Analysis	
MATH 455	Complex Variables	
MATH 460	Real Analysis	
Select one course in applied math or math modeling		3
MATH 201	Math Modeling for Educators	
MATH 331	Probability and Statistics I	
MATH 340	Graph Theory	
MATH 365	Mathematical Modeling	
MATH 444	Operations Research	
MATH 465	Financial Mathematics	
Select one of the following computer programming courses:		3
CSCI 121	Programming in Java I	
CSCI 246	Programming in C#	
other computer programming course		

One additional mathematics elective, 300 level or above	3
---	---

Total Hours	53
--------------------	-----------

Mathematics Minor

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

Code	Title	Hours
MATH 220	Calculus I	3
MATH 240	Proof I	3
MATH 320	Calculus II	3
Select one of the following:		3
CSCI 121	Programming in Java I	
CSCI 246	Programming in C#	
Equivalent computer course		
Any mathematics elective, 200-level or above		
One mathematics elective, 200 level or above		3
Two mathematics electives, 300 level or above		6
Total Hours		21

Modern Languages

(413) 662-5378

<http://www.mcla.edu/span> (<http://www.mcla.edu/span/>)

Chairperson: Rita Nnodim, Ph.D.

Contact person: Graziana.Ramsden@mcla.edu

Programs

- Spanish Minor (p. 137)

Italian

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.

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.

Prerequisite: ITAL 101

Attributes: Language Arts (CLA)

French

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.

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.

Prerequisite: FREN 101

Attributes: Language Arts (CLA)

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

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

Repeatable: Unlimited Credits

Modern Language

3 cr 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.

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.

Repeatable: Unlimited Credits

MODL 102 Special Topics in Modern Language

3 cr

Examines fundamental concepts regarding the relationship of the individual to language and culture. Topics will vary by semester and be identified by subtitle.

Attributes: Language Arts (CLA)

Repeatable: Unlimited Credits

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

Repeatable: Maximum of 6 credits

MODL 500 Independent Study

1-3 cr

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

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

Spanish

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.

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.

Prerequisite: SPAN 101 or equivalent

Attributes: Language Arts (CLA)

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

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.

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.

Prerequisite: SPAN 202 or equivalent

Attributes: Cross-Cultural and Social Justice (CCSJ)

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.

Prerequisite: SPAN 300, SPAN 301

Attributes: Cross-Cultural and Social Justice (CCSJ)

Repeatable: Unlimited Credits

Spanish Minor

The Spanish Minor program helps build proficiency and currency in spoken Spanish and develops cultural awareness, so students can interact with Spanish speakers in an accurate and successful manner in the workplace, while traveling, or in other social contexts. If students are working towards a career in business, education, 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.

Code	Title	Hours
SPAN 101 & SPAN 102	Elementary Spanish I and Elementary Spanish II ¹	6
SPAN 201 & SPAN 202	Intermediate Spanish I and Intermediate Spanish II ¹	6
SPAN 300	Spanish Conversation	3
SPAN 301	Advanced Spanish Grammar and Composition	3
Any two 300-level or above Spanish electives		6
Total Hours		24

¹ 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.

Performing Arts

(413) 662-5255

www.mcla.edu/performingarts (<http://www.mcla.edu/performingarts/>)

Chairperson: Jeremy Winchester, M.F.A.

Email: Jeremy.Winchester@mcla.edu (jeremy.winchester@mcla.edu)

Performing Arts Major

The Department of Fine and Performing Arts offers a four-year program leading to a Bachelor of Arts in Performing Arts. The program provides students with a general introduction to the arts through a set of foundation courses. Students choose concentrations in music and/or theatre. Options to minor in music, music production or theatre, allow students to design a program uniquely tailored to their own interests and future goals. Located in one of the country's premier arts and cultural meccas MCLA performing arts students leverage a dynamic range of coursework and practical application with unparalleled access to the Berkshire's world-class performing arts institutions to become well-rounded graduates equipped with the knowledge and skills necessary to transition to careers in the theatre or music professions.

Students graduating with a major in Performing Arts will be able to:

- Demonstrate a broad-based understanding of the studio and historical/theoretical aspects of the performing arts;
- Demonstrate expertise in a chosen concentration of Music or Theatre;
- Demonstrate practical experience in public performance or exhibition in the arts;
- Demonstrate an understanding of the current arts ecology and their place in it.

Department Policy Regarding Double Majors/Concentrations/Minor Programs

Students may not minor in the same discipline as their major or concentration, but they may minor outside their concentration area. For example: PA/Music concentration majors may not also minor in Music, but could minor in Theatre, Arts Management, Music Production or other disciplines.

Programs

- Music Minor (p. 142)
- Music Production Minor (p. 142)
- Performing Arts - Music Concentration, B.A. (p. 142)
- Performing Arts - Theatre Concentration, B.A. (p. 142)
- Theatre Minor (p. 142)

Foundation Courses

Code	Title	Hours
AMGT 130	Introduction to Arts Management	3
Select one of the following:		
MUSI 252	Piano I	
MUSI 258	Private Lessons ¹	
MUSI 358	Private Lessons ¹	
MUSI 458	Private Lessons ¹	
THEA 210	Drawing for Theatre	
MUSI 251	Introduction to Music	3

or MUSI 253	World Music	
THEA 110	Introduction to Stagecrafts	3
or THEA 120	Introduction to Performance	
THEA 200	Introduction to Theatre	3
FPA 501	Senior Thesis	3
Total Hours		18

¹ Each course is one credit; total three credits required.

Dance

DANC 100 Introduction to Dance 3 cr

Introduces students to the basics of ballet and modern dance technique, as well as offer an overview of the history of those genres.

Attributes: Core Creative Arts (CCA)

DANC 200 Intermediate Dance 3 cr

Builds upon the basics of ballet and modern dance technique covered in Dance 100 Introduction to Dance as well as explores some of the important teachers, dancers, choreographers and works of those two genres.

Prerequisite: DANC 100

DANC 300 Dance Project 1-3 cr

Allows students to create an individual project in dance, research, production, choreography, education, or topics in dance management that serve to deepen knowledge, experience in and exposure to dance. May be repeated for a maximum of 3 credits.

Prerequisite: Junior/senior status

Repeatable: Maximum of 3 credits

DANC 310 Topics in Dance Technique 3 cr

Students will explore different techniques, periods and contexts of dance. Varies by topic. May include ballet, jazz, hip hop, African, Irish, folk, etc.

Prerequisite: DANC 200

Fine & Performing Arts

FPA 500 Supervised Independent Study 1-3 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

Repeatable: Maximum of 12 credits

FPA 501 Senior Thesis 3 cr

Directed study representing a student's ability and commitment to serious academic research. Seniors present a written thesis exploring a topic of their choosing in depth. Topics must explore how the arts are interdisciplinary, be presented in the context of their time, and take into account related artistic influences and social values.

Prerequisite: Senior FPA Major

FPA 540 Internship in Fine and Performing Arts 1-15 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 Performing Arts major requirements.

Prerequisite: Performing Arts junior/senior status, department approval

Repeatable: Maximum of 15 credits

Music

- MUSI 159 Music Theory I** 4 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. Includes Piano Lab.
- MUSI 175 Home Studio Recording** 3 cr
Introduces basic concepts of recording, mixing and editing music on a macbook. Course material includes microphone placement, recording, mixing and basic composition.
- 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.
Attributes: Core Creative Arts (CCA)
- 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.
- 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 Americans, and the wealth of ethnic culture in the North Adams area.
Attributes: Core Creative Arts (CCA)
- 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.
- 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
Attributes: Additional Fees Apply (FEE)
Repeatable: Maximum of 3 credits
- MUSI 259 Music Theory II** 4 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 and ear training. 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.
Repeatable: Unlimited Credits
- MUSI 350 Instrumental Ensembles** 1-3 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.
Repeatable: Unlimited Credits
- 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
Repeatable: Unlimited Credits
- 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** 1-3 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.
Repeatable: Unlimited Credits
- 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
Attributes: Additional Fees Apply (FEE)
Repeatable: Maximum of 3 credits
- MUSI 359 Music Theory III** 3 cr
Continues materials presented in MUSI 259. Advanced work in harmonic analysis, secondary dominants, higher tertian chords, dictation and solfeg. Opportunities to improve conducting, performance, and composition skills. Further analysis of form, orchestration, arranging, and ear training.
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

<p>MUSI 375 Advanced Studio Recording/Live Sound Continues MUSI 175. This course investigates advanced techniques of recording and live-sounding mixing on hardware and software. Techniques include microphone placement, speaker and monitor mixing, cabling and sound board principles. Students will be prepared for internships, graduate school and employment. Prerequisite: MUSI 175</p>	3 cr	<p>THEA 120 Introduction to Performance Introduces the fundamentals of stage performance. Improvisation, relaxation, and character exercises build awareness of skills necessary for successful live performance. Presents basic acting vocabulary/theory. Develops confidence performing in front of others. Includes readings, plays in context, viewing of live theatre, and short writing assignments. Fosters more informed observers of performance experience. Attributes: Core Creative Arts (CCA)</p>	3 cr
<p>MUSI 410 Orchestration/Arranging 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</p>	3 cr	<p>THEA 200 Introduction to Theatre Surveys historical development of world theatre emphasizing western dramatic tradition. Introduces a broad range of theatrical literature and theory within its historical context. Includes class discussions and writing assignments, as well as viewing of live theatre, panel discussions, and critical response sessions. Attributes: Core Creative Arts (CCA)</p>	3 cr
<p>MUSI 415 Counterpoint 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</p>	3 cr	<p>THEA 210 Drawing for Theatre Familiarizes students with the basic materials and techniques of graphic presentation in scenic, costume, and lighting design for the theatre. Students will be introduced to the basic vocabulary of drawing, rendering and drafting techniques used as communication tools for theatre design and production. Focuses on technical drafting skills, perspective, and drawing the figure.</p>	3 cr
<p>MUSI 450 Topics in Music Seminar Provides advanced work in analysis and interpretation and research. Offerings: Improvisation, Composition; Conducting; History of Musical Theatre, Recording. Prerequisite: MUSI 159 Repeatable: Unlimited Credits</p>	3 cr	<p>THEA 220 Beginning Acting Sets foundation for the integrated voice, movement and acting training sequence. Draws from diverse sources to develop the actor's instrument and its potential for stage performance. Beginning with non-verbal exploration and movement study, students progress to character exercises with text. Designed to increase body awareness, expand flexibility and control, reinforce acting vocabulary and theory, and promote understanding of the demands of creating dynamic characters for stage performance. Prerequisite: THEA 120</p>	3 cr
<p>MUSI 458 Private Lessons 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 Attributes: Additional Fees Apply (FEE) Repeatable: Maximum of 3 credits</p>	1 cr	<p>THEA 230 Stagecraft II: Scene Construction Provides the student with the basic knowledge of stage construction. Familiarizes students with the methods, materials, equipment, concepts and processes involved in the construction of scenery for the theatre. The emphasis of this course will be on the physical process that results in the production of scenery through construction techniques. Hands-on experience will be gained by completing lab hours in the scene shop; assisting in the construction and installation of theatre program season. Prerequisite: THEA 110</p>	3 cr
<p>MUSI 459 Music Theory IV Examines traditional techniques of musical form and their applications in historical and contemporary styles. Prerequisite: MUSI 359</p>	3 cr	<p>THEA 240 Stagecraft II: Costume Construction Provides basic knowledge of costume construction. Familiarizes students with the methods, materials, equipment, concepts and processes involved in the construction of costumes for theatre production. Emphasis of this course will be on the physical process that results in the production of costumes through construction techniques. Hands-on experience will be gained by completing lab hours in the costume shop; assisting in the construction and installation of theatre program season. Prerequisite: THEA 110</p>	3 cr
<p>MUSI 475 Music Production Film Continues MUSI 375. This course will examine the techniques and procedures of composing and recording music for specific uses with film. Students will create footage or explore outside sourced film and compose and/or mix music to be connected with aforementioned film. Students will explore the creative as well as the technical aspects of film music recording. Prerequisite: MUSI 375</p>	3 cr	<p>THEA 250 Fundamentals of Theatre Design Explores the creative process and the principles and tools of design as they apply to theatrical production. Emphasis will be on script analysis, graphic techniques, and research for and of design. Introduces the student to the vocabulary, fundamental elements and principles of design and how they apply to the theatre experience of scenery, costume and lighting design to include discussion, appreciation and evaluation of theatrical design.</p>	3 cr

Theatre

THEA 110 Introduction to Stagecrafts 3 cr
Provides a foundation in the practice of technical theatre, preparation for work in scenery, lighting, and costumes. Class projects are designed to reinforce specific technical skills discussed and demonstrated in class. Additionally, the required lab time outside of class provides hands-on experience.

- THEA 260 Intermediate Acting** 3 cr
Continues the integrated voice, movement and acting training sequence from Beginning Acting emphasizing character building. Students explore the acting instrument in greater depth. Movement study connects the voice to the body and then progresses to play analysis from the actor's point of view, followed by more formal text work. The goal of the course is to gain greater flexibility and control over the instrument and expand understanding of the demands of creating dynamic characters for stage performance.
Prerequisite: THEA 220
- THEA 271 Play Analysis** 3 cr
Introduces the basic principles, techniques and challenges of analyzing plays for theatrical production. Focuses on the process of reading and analyzing plays while developing basic vocabulary of dramatic styles. Develops basic knowledge of principles of dramatic structure through readings from a diverse range of theatre texts from the western canon. Goal is to discover what the playwright has dramatized and how best to realize it on stage clearly, imaginatively and powerfully.
Prerequisite: THEA 200
- THEA 280 Stagecrafts II: (Topic)** 3 cr
Builds on the foundational skills learned in Introduction to Stage Crafts. Familiarizes students with methods, materials, equipment, concepts and processes resulting in the creation of some aspect of theatre production. Hands-on experience will be gained by completing lab hours in a production shop; assisting in creation of Theatre Program productions. Rotating topics may include: Stage Electrics, Stage Properties, Introduction to Sound. Student may repeat enrollment for credit, but may not repeat topics.
Prerequisite: THEA 110
Repeatable: Unlimited Credits
- THEA 290 Stage Makeup** 3 cr
Introduces students to basic makeup vocabulary, materials and techniques. Students will work toward a proficiency in the principles and skills of makeup application including basic corrective/straight makeup, old age, and character makeup in order to communicate aspects of a character to an audience certain information.
- THEA 310 Design for Theatre (Topic)** 3 cr
Studies the process of designing for theatre through play analysis, research, color theory, composition, and the examination of design elements and principles for stage. Design concepts are demonstrated through rendering techniques, drafting or modeling to communicate ideas, cultivating a design aesthetic. Rotating topics may include: Costume Design, Scene Design, Lighting Design and Sound Design. Students may repeat enrollment for credit, but may not repeat topics.
Prerequisite: THEA 200, THEA 250
Repeatable: Unlimited Credits
- THEA 360 Advanced Acting (Topic)** 3 cr
Builds on the foundational skills and concepts acquired from the integrated voice, movement and acting sequence. Students will choose further study to inform their individual development as actors. Topics are offered on a rotating basis and focus on a specialized aspect of acting technique while incorporating advanced research and dramatic analysis. Topics include Shakespeare, Musical Theatre, Realism/Naturalism, and Experimental/Alternative. Students may repeat enrollment for credit, but not topics.
Prerequisite: THEA 120, THEA 220
Repeatable: Unlimited Credits
- THEA 370 Collaboration** 3 cr
Develops practical studio in theatrical collaboration designed for both performance and production students. Develops skills in collaboration across artistic disciplines, offering effective strategies for communication as students create and perform short projects. Offers direct, real-world experience in theatrical collaboration and leadership, allowing the individual to test skills, talents and creative ideas in an environment conducive to both individual and collective artistic growth.
Prerequisite: THEA 200, THEA 250, THEA 271
- THEA 372 Theatre Practicum** 1 cr
Provides practical experience on performance and production related activities for Theatre Program productions during semester. Students may repeat this course for credit.
Prerequisite: By audition or interview only
Repeatable: Unlimited Credits
- THEA 379 Topics in Theatre Production** 3 cr
Studies in depth a specific aspect of theatre production. Designed to provide advanced experience in materials and techniques used in theatre. Topics are offered on a rotating basis and focus on a specialized aspect of production technique. Topics may include: Historical Patterning, Computer-Aided Drafting, Advanced Lighting Technology, Stage Management. Students may repeat enrollment for credit but may not repeat topics.
Prerequisite: THEA 110, THEA 230 or THEA 240
Repeatable: Unlimited Credits
- THEA 380 Audition Technique** 3 cr
Introduces the specific techniques and skills necessary to audition for the professional stage with confidence and artistic honesty. This course will focus on the development of audition material from a wide range of styles and genres as well as mastery of cold reading techniques, and practical preparation for the professional world and the business of acting. For the student contemplating a professional theatre career.
Prerequisite: Junior/senior status, Theatre Concentration, THEA 220
- THEA 381 Theatre History I: Beginnings to 17th Century** 3 cr
Traces the evolution of Western theatre in its social/political context from ancient Greece through the Renaissance. Theatre architecture, styles of staging, and works of dramatic literature are studied in relation to the social and intellectual history of each major era.
Prerequisite: THEA 200
- THEA 383 Theatre History II: 18th Century to Present** 3 cr
Traces the evolution of Western theatre in its social/political context from the 18th century to the Post-Modern Period. Theatre architecture, styles of staging, and works of dramatic literature will be studied in relation to the social and intellectual history of each major era or artist style.
Prerequisite: THEA 200
- THEA 470 Directing** 3 cr
Explores the fundamentals of direction for the stage, including analysis, composition and staging. Begins with play analysis from a director's point of view, followed by exploration of stage composition, then progresses to staging and working with actors. The various exercises culminate in the direction of a short play for public performance. The goal is to increase understanding of the many roles and responsibilities required of the theatre director as artist and collaborator.
Prerequisite: THEA 120, THEA 200, THEA 271, THEA 250, THEA 370

THEA 479 Topics in Theatre Performance

3 cr

Studies in depth a specific aspect of theatre performance. Provides advanced work in analysis, interpretation and research. Primarily for majors in their junior or senior year. Includes topics such as: Accents and Dialects for the Stage, Advanced Directing, Clowning and Comedian, Collaborative Theatre Ensemble, Contact Improvisation, Hip Hop Theatre, Improvisation, Mask Performance, Melodrama, Period Dance for Stage, Physical Comedy, Puppetry, Spoken Word, and Stage Combat.

Prerequisite: Instructor approval

Repeatable: Unlimited Credits

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.

Music Minor

Code	Title	Hours
MUSI 159	Music Theory I	4
MUSI 175	Home Studio Recording	3
MUSI 251	Introduction to Music	3
MUSI 259	Music Theory II	4
MUSI 351	Topics in Music History	3
MUSI 350	Instrumental Ensembles	3
or MUSI 357	Vocal Ensembles	
Total Hours		20

Music Production Minor

Code	Title	Hours
MUSI 159	Music Theory I	4
MUSI 259	Music Theory II	4
MUSI 359	Music Theory III	3
MUSI 175	Home Studio Recording	3
MUSI 375	Advanced Studio Recording/Live Sound	3
MUSI 475	Music Production Film	3
Total Hours		20

Performing Arts - Music Concentration, B.A.

Code	Title	Hours
FPA Foundation Courses (p. 138)		18
MUSI 159	Music Theory I	4
MUSI 175	Home Studio Recording	3
MUSI 259	Music Theory II	4
MUSI 351	Topics in Music History	3
MUSI 359	Music Theory III	3
MUSI 459	Music Theory IV	3
Any 400-level music course ¹		3
Total Hours		41

¹ Other than MUSI 459 Music Theory IV

Performing Arts - Theatre Concentration, B.A.

Code	Title	Hours
FPA Foundation Courses (p. 138)		18
THEA 110	Introduction to Stagecrafts	3
Select one of the following:		3
THEA 220	Beginning Acting	
THEA 230	Stagecraft II: Scene Construction	
THEA 240	Stagecraft II: Costume Construction	
THEA 250	Fundamentals of Theatre Design	3
THEA 271	Play Analysis	3
THEA 370	Collaboration	3
THEA 372	Theatre Practicum (1 credit x 4 semesters)	4
THEA 381	Theatre History I: Beginnings to 17th Century	3
THEA 383	Theatre History II: 18th Century to Present	3
Total Hours		43

Theatre Minor

Code	Title	Hours
THEA 110	Introduction to Stagecrafts	3
THEA 120	Introduction to Performance	3
THEA 200	Introduction to Theatre	3
THEA 250	Fundamentals of Theatre Design	3
THEA 271	Play Analysis	3
THEA 372	Theatre Practicum (1 credit x 3 semesters)	3
THEA 381	Theatre History I: Beginnings to 17th Century	3
or THEA 383	Theatre History II: 18th Century to Present	
Total Hours		21

Philosophy

(413) 662-5378

www.mcla.edu/phil/ (<http://www.mcla.edu/phil/>)

Chairperson: Rita Nnodim, Ph.D.

Email: R.Nnodim@mcla.edu

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 intellectual skills and habits complement any career.

Students graduating with a major in Philosophy will be able to:

- Reflect on their own most basic assumptions;
- Acquire a level of familiarity and competence in several areas of philosophical concern, including ethics, theories of knowledge and being, aesthetics, logic, and social-political thought;
- 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.

Programs

- Philosophy - Law, Ethics, and Society Concentration, B.A. (p. 145)
- Philosophy Minor (p. 145)
- Philosophy, B.A. (p. 145)

PHIL 100 A First Course in Philosophy 3 cr

Engages students in the critical investigation and reflective analysis of such fundamental philosophical questions as freedom and moral responsibility, the nature of being and knowledge, the existence of God and the problem of evil, and individual rights and social justice. Emphasizes the relevance that philosophy has to contemporary problems and encourages students to think, read, write, and speak critically and thoughtfully.

Attributes: Core Human Heritage (CHH)

PHIL 110 World Religions 3 cr

Examines basic texts, concepts, presuppositions, and ways of life of several major religious traditions. Drawing on both sacred texts and scholarly analyses, as well as fictional and journalistic accounts, the course aims to understand and assess the meaning of religion in human life.

Attributes: Core Human Heritage (CHH)

PHIL 110H Honors: World Religions 3 cr

Examines basic texts, concepts, presuppositions and ways of life of several major religious traditions. Drawing on both sacred texts and scholarly analyses, as well as fictional and journalistic accounts, the course aims to understand and assess the meaning of religion in human life.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

PHIL 120 Art and Philosophy 3 cr

Adopts a philosophical approach to the experience, understanding and critical assessment of the products and processes of the creative arts. Our inquiries will center on two traditional questions of aesthetic theory: What is art? What is art's special value? This course will be more theoretical than hands-on, though direct, continued experience in the various creative arts will be encouraged and figure prominently in most discussions and assignments.

Attributes: Core Creative Arts (CCA)

PHIL 120H Honors: Art and Philosophy 3 cr

Adopts a philosophical approach to the experience, understanding and critical assessment of the products and processes of the creative arts. Our inquiries will center on two traditional questions of aesthetic theory. What is art? What is art's special value? This course will be more theoretical than hands-on, though direct, continued experience in the various creative arts will be encouraged and figure prominently in most discussions and assignments.

Attributes: Core Creative Arts (CCA), Honors Program (HONR)

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.

Attributes: Core Human Heritage (CHH)

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.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

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

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

- 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
Repeatable: Unlimited Credits
- 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
- PHIL 322 Business Ethics** 3 cr
Examines the values of a business society and the ethical dimensions of decision-making in business, with the aim of enabling the student to develop a meaningful set of values by which to live and contribute creatively in a business society.
Prerequisite: A 100-level and a 200-level philosophy course
Attributes: Cross-Cultural and Social Justice (CCSJ), Leadership Minor (LDRS)
- 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.
Prerequisite: A 100-level and a 200-level philosophy course
Attributes: Cross-Cultural and Social Justice (CCSJ), Environmental Studies (ENVI)
- 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
- PHIL 350 Contemporary Moral Issues** 3 cr
Views such issues as war and peace, world poverty, sexual morality and spirituality from the perspectives of traditional and contemporary ethical theories.
Prerequisite: A 100-level and a 200-level philosophy course
Attributes: Cross-Cultural and Social Justice (CCSJ)
- PHIL 360 Social and Political Philosophy** 3 cr
Investigates conceptual and moral questions posed by life in community with others. These include justifications of democracy, political freedom, natural rights, political obligation, social justice and the challenge of anarchism.
Prerequisite: A 100-level and a 200-level philosophy course
Attributes: Cross-Cultural and Social Justice (CCSJ)
- 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.
Prerequisite: Junior/senior status
Attributes: Honors Program (HONR)
- 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
Repeatable: Unlimited Credits
- 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
- 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
- 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.
Prerequisite: A 100 or 200 level philosophy course
Attributes: Honors Program (HONR)
- 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
Repeatable: Unlimited Credits
- 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
Repeatable: Maximum of 6 credits

PHIL 500 Directed Independent Study**1-3 cr**

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

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

Attributes: Honors Program (HONR)

Repeatable: Maximum of 12 credits

PHIL 540 Philosophy Internship**3-9 cr**

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

Prerequisite: Senior status and department approval

Repeatable: Maximum of 15 credits

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.

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

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:

Code	Title	Hours
PHIL 100	A First Course in Philosophy	3
PHIL 200/200H	Logic and Critical Reasoning	3
PHIL 240	Ancient Philosophy	3
PHIL 242	Modern Philosophy	3
PHIL 300	Epistemology and Metaphysics	3
PHIL 350	Contemporary Moral Issues	3
PHIL 400	Contemporary Legal Philosophy	3
Select two of the following applied ethics courses:		6
PHIL 322	Business Ethics	
PHIL 325	Environmental Ethics	
PHIL 485	Special Topics in Philosophy (Biomedical Ethics)	
PHIL 485	Special Topics in Philosophy (Information Ethics)	
Select one social and political philosophy course:		3
PHIL 360	Social and Political Philosophy	
PHIL 385	Special Topics in Philosophy	
an approved equivalent		
Two Philosophy electives above 200 level in consultation with advisor		6
Total Hours		36

Course substitutions by department approval only.

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

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.

Code	Title	Hours
PHIL 100	A First Course in Philosophy	3
PHIL 200/200H	Logic and Critical Reasoning	3
PHIL 300	Epistemology and Metaphysics	3
PHIL 350	Contemporary Moral Issues	3
Six credit hours of electives taken from the philosophy department curriculum ¹		6
Total Hours		18

¹ The selection should depend on the major of the student and the student's main interests.

Philosophy, B.A.

Code	Title	Hours
PHIL 100	A First Course in Philosophy	3
PHIL 200/200H	Logic and Critical Reasoning	3
PHIL 240	Ancient Philosophy	3
PHIL 242	Modern Philosophy	3
PHIL 300	Epistemology and Metaphysics	3
PHIL 350	Contemporary Moral Issues	3
Four Philosophy electives above the 200 level, planned with department advisor		12
Total Hours		30

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.

Physical Education

(413) 662-5302

Coordinator: Peter Hoyt, Ph.D.

Email: Peter.Hoyt@mcla.edu (Peter.Hoyt @mcla.edu)

The charge of a liberal arts education includes opportunities for intellectual, physical and spiritual development. The physical education program is housed within the Department of Biology. It is designed to encourage lifelong 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

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 Biology, the Health Science program and the Physical Education program. Please refer to the Biology section of the catalog for more information regarding these programs.

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.

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.

Attributes: Additional Fees Apply (FEE)

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.

Attributes: Additional Fees Apply (FEE)

PHED 110 Fundamentals of Tennis 1 cr

Instructs students in the fundamentals of tennis and game play.

PHED 113 Fundamentals of Beginning Badminton 1 cr

Provides the opportunity to learn skills and strategy of racket sports, specifically badminton.

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.

Attributes: Additional Fees Apply (FEE)

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.

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.

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.

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.

Attributes: Women Gender Sexuality Studies (WMST)

PHED 147 Fundamentals of Yoga 1 cr

Teaches the basic Hatha Yoga postures, breathing exercises and relaxation techniques.

PHED 150 Special Topics in Physical Education 1-2 cr

Introduces students to a variety of physical education activities.

Activities vary according to teaching staff and student needs.

Repeatable: Unlimited Credits

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.

PHED 200 Exercise Injury Prevention and Care 3 cr

Explores fundamental principles of exercise safety, injury risk management and emergency care. Involves the study of orthopedic injury, environmental illness, eating disorder and concussion. Certification of CPR/AED and first aid for the adult, child and infant is provided upon completion of the course. Extra course fee required.

Attributes: Additional Fees Apply (FEE)

PHED 215 Lifetime Wellness 3 cr

Helps students develop a set of health behaviors that constitute what is generally considered to be a high energy lifestyle. These behaviors stress responsibility for one's health. Areas covered are physical fitness, nutrition and weight control, stress management, substance abuse, sexually transmitted disease and chronic disease.

Attributes: Core Health and Wellness (CHW)

PHED 300 Fundamentals of Coaching 3 cr

Facilitates an understanding of sport coaching based on fundamental principles that appropriately guide coaching behaviors. Involves the study and professional development of aspects related to sport coaching, including but limited to: leadership, sportsmanship, legal aspects, ethics, psychosocial aspects, interscholastic rules, organization and administrative aspects.

Prerequisite: Sophomore status

PHED 395 Special Topics in Physical Education 1-3 cr

Explores a specific aspect related to physical education, athletics, coaching or sports medicine. Content identifiable by subtitle.

Prerequisite: Department approval

Repeatable: Unlimited Credits

PHED 500 Independent Study 1-3 cr

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

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

PHED 540 Internship in Sport Coaching**3 cr**

Provides hands-on experience in the field of sports coaching. Students will utilize acquired knowledge, skills and abilities in various aspects of coaching in a sports-related environment. Requires 135 on-site hours.

Graded on Pass/Fail basis.

Prerequisite: PHED 200 and PHED 300

Physics

(413) 662-5268

www.mcla.edu/phys (<http://www.mcla.edu/phys/>)

Chairperson: Emily Maher, Ph.D.

Email: Emily.Maher@mcla.edu

Physics Major

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, computational methods, 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 major in Physics will be able to:

- Understand the basic principles in the various fields of physics.
- Make connections between various fields of physics.
- Solve problems using mathematical and physical reasoning.
- Use modern computational methods to analyze and present data.
- Design and conduct experiments to evaluate ideas and verify theories.
- Evaluate the validity of experimental evidence.
- Effectively communicate information gained by written and oral means.

Programs

- Physics Minor (p. 149)
- Physics, B.A. (p. 149)
- Physics, B.S. (p. 150)

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.

Attributes: Core Science & Tech w/lab (CSTL)

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.

Attributes: Core Science & Tech w/lab (CSTL)

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.

Prerequisite: PHYS 131

Attributes: Core Science & Tech w/lab (CSTL)

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.

Attributes: Core Science & Tech w/o lab (CST)

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.

Prerequisite: MATH 150 or MATH 220 or concurrent enrollment in MATH 220

Attributes: Core Science & Tech w/lab (CSTL)

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.

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.

Prerequisite: PHYS 151, MATH 220

Attributes: Core Science & Tech w/lab (CSTL)

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 or concurrent enrollment in 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 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 Schrödinger equation and its solutions for various simple systems, expectation values, operator formalism and matrix representation.
Prerequisite: PHYS 351
- PHYS 499 Teaching Assistantship in Physics** 1-3 cr
Provides the opportunity for a student to assist in the preparation and/or implementation of a physics course.
Prerequisite: Department approval
Repeatable: Maximum of 6 credits
- PHYS 500 Directed Independent Study** 1-3 cr
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior/senior status, department approval
Repeatable: Maximum of 12 credits
- PHYS 510 Independent Research** 1-3 cr
Participation in research in physics under the direction of a member of the physics faculty in a specific area.
Prerequisite: Department approval
Repeatable: Maximum of 12 credits
- PHYS 540 Physics Internship** 3-15 cr
Offers the upper-level physics major an opportunity to practice physics in an appropriate professional situation. The student will work with a faculty sponsor and an off-campus supervisor in gaining experience significant to the major.
Prerequisite: Department approval, junior/senior status
Repeatable: Maximum of 15 credits
- PHYS 580 Special Topics in Physics** 1-4 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
Repeatable: Unlimited Credits
- 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 licenses must complete a physics major, and a licensure program in education.

Physics Minor

Students who minor in physics will obtain a firm foundation in both scientific techniques and physical content. In addition to a comprehensive study of the major area of physics, the student will gain a depth of knowledge in specific fields through study in upper-division courses.

Code	Title	Hours
PHYS 151	Introduction to Mechanics	4
PHYS 251	Introduction to Electricity & Magnetism	4
PHYS 252	Introduction to Waves, Optics, and Relativity	4
PHYS 351	Modern Physics	4
Select two Physics courses 300 level or higher		6
Total Hours		22

Physics, B.A.

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.

Code	Title	Hours
MATH 150	Precalculus	3
MATH 220	Calculus I	3
MATH 320	Calculus II	3

MATH 330	Calculus III	3
PHYS 151	Introduction to Mechanics	4
PHYS 200	Seminar for Physics Majors	1
PHYS 251	Introduction to Electricity & Magnetism	4
PHYS 252	Introduction to Waves, Optics, and Relativity	4
PHYS 351	Modern Physics	4
PHYS 361	Mathematical Physics	3
PHYS 401	Advanced Physics Laboratory I	3
Select four Physics courses 300 level or higher		12
Total Hours		47

Physics, B.S.

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.

Code	Title	Hours
MATH 150	Precalculus	3
MATH 220	Calculus I	3
MATH 320	Calculus II	3
MATH 330	Calculus III	3
MATH 380	Differential Equations	3
or MATH 430	Calculus IV	
PHYS 151	Introduction to Mechanics	4
PHYS 200	Seminar for Physics Majors	1
PHYS 251	Introduction to Electricity & Magnetism	4
PHYS 252	Introduction to Waves, Optics, and Relativity	4
PHYS 301	Classical Mechanics	3
PHYS 303	Electricity and Magnetism	3
PHYS 305	Electronics	3
PHYS 351	Modern Physics	4
PHYS 361	Mathematical Physics	3
PHYS 401	Advanced Physics Laboratory I	3
PHYS 402	Advanced Physics Laboratory II	3
PHYS 471	Quantum Mechanics	3
Select three Physics courses 300 level or higher		9
Total Hours		62

Political Science

(413) 662-5019

www.mcla.edu/posc (<http://www.mcla.edu/posc/>)

Chairperson: Anthony Daly, Ph.D.

Email: Anthony.Daly@mcla.edu

Political Science Major

The Department of History & Political Science offers a four-year program leading to a Bachelor of Arts in political science, a unique interdisciplinary major where students combine classroom learning with field experiences and interactions. 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 major in Political Science will be able to:

- 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 program in program-relevant internships.

Programs

- Political Science Minor (p. 153)
- Political Science, B.A. (p. 153)

POSC 201 United States Government

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.

Attributes: Core Self & Society (CSS), Environmental Studies (ENVI)

POSC 202 Comparative Government

3 cr

Provides a comparative introduction to common political problems and the discipline of political science. Through an interdisciplinary study of various nation-states, students will develop an understanding of political behavior, political institutions, and public policy processes.

Attributes: Core Self & Society (CSS), Environmental Studies (ENVI)

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.

POSC 300 Politics & the News Media

3 cr

Examines politics in 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 or POSC 210

POSC 302 Campaigns and Elections

3 cr

Focuses on theories surrounding American campaigns and elections for presidential and congressional elections. In this course, we will analyze how the structures of the American political system have changed over time and how/why candidates run, win, and lose office. Further, we will explore the role American voters play in the political process and how their attitudes, opinions, and ideologies influence candidate choice and voting behavior.

Prerequisite: Junior/senior status or POSC 210

POSC 304 Constitutional Law

3 cr

Analyzes constitutional law with special emphasis on civil liberties and civil rights. Legal issues will be examined in the light of relevant social and political conditions.

Prerequisite: Junior/senior status or POSC 210

Attributes: Cross-Cultural and Social Justice (CCSJ)

POSC 307 State and Local Politics

3 cr

Focuses on structure, policy-making decisions, and functions in state and local government, especially in North Adams and the Berkshires. Utilizes the comparative method to examine the similarities and differences between state and local governments across the US.

Prerequisite: Junior/senior status or POSC 210

POSC 308 Women and Politics

3 cr

Analyzes how the structure and rules of the American political system influence how women participate in politics. Specifically, the course focuses on women politicians by looking at theories of ambition, stereotypes, and partisanship, amongst others, that impact a woman's decision to run for office and then win election. These topics are presented in a comparative nature by gender and party and across all levels of government.

Prerequisite: Junior/senior status or POSC 210

Attributes: Women Gender Sexuality Studies (WMST)

POSC 313 American Political Institutions

3 cr

Surveys the three branches of the national government in the United States: Congress, the Presidency, and the Supreme Court. Using a variety of theoretical models, this course seeks to explain how the structure of these institutions affects behavior of actors in the institutions, outcomes as a result of those behaviors, and the practical process of policy formulation.

Prerequisite: Junior/senior status and POSC 201 or POSC 201 and POSC 210

POSC 315 Topics in United States Political Science

3 cr

Focuses on aspects of issues and topics in political science and public policy that are at least mainly geared towards understanding the United States case and the corresponding academic research. Emphasis is placed on critical thinking, writing skills, and engagement with the political science literature. Examples of topics in this area include: State and Local Government, Campaigns and Elections, Women in Politics.

Prerequisite: Junior/senior status or POSC 210

Repeatable: Unlimited Credits

- POSC 316 Topics in Global Political Science** 3 cr
Focuses on aspects of issues and topics in political science and public policy that involve extensive analysis of international relations or comparative politics and the corresponding academic research. Emphasis is placed on critical thinking, writing skills, and engagement with the political science literature. Examples of topics include: Model UN, Latin American Politics & Society, and Global Development.
Prerequisite: Junior/senior status or POSC 210
Repeatable: Unlimited Credits
- POSC 323 Political Psychology** 3 cr
Focuses on why people think, act, and reason the way they do in the realm of politics. Are they acting this way with or without consciousness? The class largely focuses on individual-level political decision-making but we also examine group behavior and choice. By the end of this course, students will have a clear understanding in how political behavior and information processing impacts personal decision-making, politicians, researchers, and the media.
Prerequisite: Junior/senior status or POSC 210
- POSC 330 Latin American Politics and Society** 3 cr
Provides an introduction to recent Latin American political history. The course especially looks at developments and debates in three areas: the evolution and quality of democracy; socioeconomic models, policies and outcomes; and, U.S. - Latin American relations. In examining these topics and others, attention is split between examining the relevant academic research and exploring country case studies and current events.
Prerequisite: Junior/senior status or POSC 210
Attributes: Cross-Cultural and Social Justice (CCSJ)
- POSC 333 The Politics of War and Conflict** 3 cr
Explores issues in war and peace within countries and in the international system. Uses political science theories and recent cases to analyze the origins, evolution and resolution of various forms of conflict, including civil war, terrorism, and revolution.
Prerequisite: Junior/senior status or POSC 210
Attributes: Cross-Cultural and Social Justice (CCSJ)
- 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.
Prerequisite: SOCI 100 or any Self & Society course
Attributes: Child & Family Studies Minor (C&FS), Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)
- POSC 343 Political Economy** 3 cr
Analyzes the intersection of politics and economics both domestically and internationally in order to understand the accumulation and distribution of power and wealth. Uses theories from both political science and economics to explore issues such as taxation, redistribution, poverty, trade, finance, and immigration.
Prerequisite: Junior/senior status or POSC 210
- POSC 345 Model United Nations** 3 cr
Focuses on the structure of the international system and also prepares students for one or more university-level Model United Nations conferences. Students will learn about the history, mandate and organizational structure of the United Nations and related organizations. They will also practice public speaking, memo writing, parliamentary procedure and other skills necessary to excel in MUN conferences. This course may be repeated once.
Prerequisite: Junior/senior status or POSC 210
Repeatable: Maximum of 6 credits
- POSC 401 Seminar in Political Science** 3 cr
Explores in depth a particular problem, concept, or theme in political science using advanced research methods. Possible topics include: The American Presidency; Global Development; The American Political Tradition; Political Psychology.
Prerequisite: Junior/senior status and one POSC course
Repeatable: Unlimited Credits
- POSC 405 Race and Ethnic Politics** 3 cr
Focuses on the political similarities and differences between African Americans/blacks, Latinos/Hispanics, American Indians, and Asian Americans. We will take a specific look at topics of intersectional identity, inter-minority group relations, and racial resentment. The course covers the political challenges each of these groups face, racial demographics across and within the states, voting behavior, and how race plays a role in elections, policymaking, and policy effects.
Prerequisite: Junior/senior status and at least one POSC course
- POSC 415 US Foreign Policy** 3 cr
Focuses on the destabilizing forces, complex challenges, and exciting opportunities of the international system and their relation to the US and its foreign policy. How does the US determine when and how to act in international affairs? This course will familiarize students with the institutions and actors that shape US foreign policy, the major theories that explain these processes and outcomes, and significant cases where US foreign policy played an important role.
Prerequisite: Junior/senior status and at least one POSC course
- POSC 420 Global Development** 3 cr
Focuses initially on the large socioeconomic inequality between countries across the globe. Does this gap have more to do with exploitation by foreign powers, the quality of domestic governance, or a country's environment and geography? What can be done about global poverty and inequality? This course will provide students a variety of tools for examining competing answers to these questions while improving their knowledge of the politics, economics, and cultures of less-developed countries.
Prerequisite: Junior/senior status and at least one POSC course
Attributes: Cross-Cultural and Social Justice (CCSJ)
- 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 1-3 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

Repeatable: Maximum of 12 credits

POSC 510 Teaching Assistant in Political Science 3 cr

Offers highly qualified majors or minors in political science an opportunity to assist an instructor in the conduct of a course. The student may be held responsible for conducting classes, review sessions, consulting on course materials, etc.

Prerequisite: Department approval

Repeatable: Maximum of 6 credits

POSC 540 Internship in Political Science 1-15 cr

In consultation with a political science professor, students may apply for and earn internship credit by interning with elected officials or at local or town governments, state governments, national governments. Students may also intern for election campaigns, non-governmental organizations, law offices, interest groups, or other placements approved by the department. Internships are evaluated by a combination of site coordinator evaluations, student reports, and a debriefing memo.

Prerequisite: Department approval

Repeatable: Maximum of 15 credits

Political Science, B.A.

Code	Title	Hours
Requirements		
POSC 201	United States Government	3
POSC 202	Comparative Government	3
POSC 210	Political Science Research and Methods	3
Select two of the following:		6
HIST 104	Modern World Civilization	
HIST 113	United States History to 1877	
HIST 114	United States History after 1877	
Upper Level Requirements		
POSC 450	Career and ePortfolio Workshop	1
POSC 400-level Elective		3
POSC 540	Internship in Political Science	3
Electives		
Select 24 credits from the following:		24
Area I (minimum of three credits required)		
POSC 300	Politics & the News Media	
POSC 302	Campaigns and Elections	
POSC 304	Constitutional Law	
POSC 307	State and Local Politics	
POSC 308	Women and Politics	
POSC 313	American Political Institutions	
POSC 315	Topics in United States Political Science	
POSC 323	Political Psychology	
POSC/SOWK 340	Inequality and Social Policy	
Area II (minimum of six credits required)		
POSC 316	Topics in Global Political Science	
POSC 330	Latin American Politics and Society	
POSC 333	The Politics of War and Conflict	
POSC 343	Political Economy	
POSC 345	Model United Nations	

Area III (maximum of six credits toward 24 credit requirement)

ECON 141	Macroeconomics
ENVI 310	Politics and Environmental Policy
ENVI 340/340H	Environmental Law
MATH 232/232H	Introduction to Statistics
PHIL 360	Social and Political Philosophy
POSC 500	Independent Study
POSC 510	Teaching Assistant in Political Science
POSC 540	Internship in Political Science (in addition to required three credit internship)

Total Hours 46

Political Science Minor

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.

Code	Title	Hours
POSC 201	United States Government	3
POSC 202	Comparative Government	3
Select twelve credits of electives from the following: ¹		12
ECON 141	Macroeconomics	
ENVI 310	Politics and Environmental Policy	
ENVI 340/340H	Environmental Law	
MATH 232/232H	Introduction to Statistics	
PHIL 360	Social and Political Philosophy	
POSC 210	Political Science Research and Methods	
POSC 300	Politics & the News Media	
POSC 302	Campaigns and Elections	
POSC 304	Constitutional Law	
POSC 307	State and Local Politics	
POSC 308	Women and Politics	
POSC 313	American Political Institutions	
POSC 315	Topics in United States Political Science	
POSC 316	Topics in Global Political Science	
POSC 323	Political Psychology	
POSC 330	Latin American Politics and Society	
POSC 333	The Politics of War and Conflict	
POSC/SOWK 340	Inequality and Social Policy	
POSC 343	Political Economy	
POSC 345	Model United Nations	
POSC 401	Seminar in Political Science	
POSC 500	Independent Study	
POSC 540	Internship in Political Science	

Total Hours 18

¹ A minimum of 9 of the 12 credits must be POSC denominated courses

Psychology

(413) 662-5481

www.mcla.edu/psyc (<http://www.mcla.edu/psyc/>)

Chairperson: Sharon Claffey, Ph.D.

Email: S.Claffey@mcla.edu

Psychology Major

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 major in Psychology will be able to:

- Develop knowledge base of content domains, themes, and applications of psychology
- Demonstrate competence in interpreting, designing, and conducting psychological research
- Demonstrate competence in applying ethical standards to evaluation of psychological science and to multiple social issues
- Communicate proficiently for a variety of purposes, both orally and in writing
- Develop career goals through application of psychological knowledge and refinement of self-regulation and teamwork capacity

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 in Psychology, and PSYC 496 Research in Psychology and/or PSYC 500 Independent Study. During the senior year, and with departmental approval, a student may then register for PSYC 550 Senior Thesis. Students are also encouraged to seek out an internship in a wide variety of mental health and social services placements during their junior or senior year.

Programs

- Behavior Analysis Minor (For Non-Psychology Majors) (p. 157)
- Psychology Minor Program (p. 157)
- Psychology, B.A. (p. 157)
- Psychology- Behavior Analysis Concentration, B.A. (p. 158)

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.

Attributes: Core Self & Society (CSS)

PSYC 101 Introductory Seminar in Psychology 1 cr

Introduces new psychology majors to the scientific basis of psychology through interactions with faculty, student mentors, and community professionals. Explores unique opportunities within the major and the college (research, internships, study away/abroad). Students will create a psychology major portfolio and will begin to document their learning and engagement with the discipline. Required for all MCLA psychology majors.

Prerequisite: PSYC Major

PSYC 208 Applied Developmental Psychology 3 cr

Examines developmental theory and research from an applied perspective. Physical, cognitive, language, social and emotional development from early childhood through adolescence will be covered with an emphasis on application. (Students cannot receive credit for both PSYC 208 and PSYC 210).

Prerequisite: PSYC 100 or any Self and Society course

Attributes: Child & Family Studies Minor (C&FS)

PSYC 208H Honors: 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.

Prerequisite: PSYC 100 or any Self and Society course,

Attributes: Honors Program (HONR)

PSYC 210 Developmental Psychology 3 cr

Examines the development of the child through adolescence, including neonatal and prenatal development. Major theories of physical, cognitive and social development are discussed. The research methods and controversial issues in developmental psychology are emphasized. (Students cannot receive credit for both PSYC 210 and PSYC 208).

Prerequisite: PSYC 100 or any Self and Society course

Attributes: Child & Family Studies Minor (C&FS)

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).

Prerequisite: PSYC 100 or any Self and Society course

Attributes: Core Self & Society (CSS), Leadership Minor (LDRS)

PSYC 270 Abnormal Psychology 3 cr

Examines theoretical perspectives of maladaptive behavior and the concepts of stress, coping, normality and abnormality. Emphasis on assessment, diagnosis, and treatment of psychological disorders of childhood, adolescence and adulthood.

Prerequisite: PSYC 100 or any 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

<p>PSYC 291 Psychological Research and Statistics II 4 cr</p> <p>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.</p> <p>Prerequisite: Grade of C or better in PSYC 290</p>	<p>PSYC 335 Organizational Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: 200 level PSYC or SOCI or BADM course or completion of Tier II Self & Society domain</p> <p>Attributes: Leadership Minor (LDRS)</p>
<p>PSYC 299 Sophomore Seminar in Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: PSYC 100</p>	<p>PSYC 340 Psychology of Children with Special Needs 3 cr</p> <p>Examines the special needs of children, the methods used to determine these needs, and the procedures used to meet these needs.</p> <p>Prerequisite: PSYC 208 or PSYC 210</p> <p>Attributes: Child & Family Studies Minor (C&FS)</p>
<p>PSYC 301 Psychology Professional Seminar 1 cr</p> <p>Provides junior and senior psychology majors with an opportunity to reflect on their past work in the major. Explores opportunities and interests in preparation for careers and graduate study in the field. Students will work with the instructor and other professionals to develop and implement strategies for success after MCLA. Required for all MCLA psychology majors.</p> <p>Prerequisite: PSYC 101, junior status, PSYC Major</p>	<p>PSYC 350 Theories of Personality 3 cr</p> <p>Examines classical and contemporary approaches to personality theory. Emphasizes application and empirical support for theoretical positions.</p> <p>Prerequisite: PSYC 270 and junior status</p>
<p>PSYC 310 Cognitive Psychology 3 cr</p> <p>Studies knowing, learning, thinking and language. Topics include theories of cognition, language, attention, problem solving, memory, consciousness and creative thinking.</p> <p>Prerequisite: PSYC 291</p>	<p>PSYC 355 Human Sexuality 3 cr</p> <p>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.</p> <p>Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain</p> <p>Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)</p>
<p>PSYC 316 Behavior Analysis 3 cr</p> <p>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.</p> <p>Prerequisite: PSYC 100</p>	<p>PSYC 356 Psychology of Gender 3 cr</p> <p>Focuses on the similarities and differences between males and females, masculinity and femininity. Explores the origins and maintenance of gender stereotypes and their consequences.</p> <p>Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain</p> <p>Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)</p>
<p>PSYC 325 Environmental Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain</p>	<p>PSYC 357 Psychology of Women 3 cr</p> <p>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.</p> <p>Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain</p> <p>Attributes: Women Gender Sexuality Studies (WMST)</p>
<p>PSYC 331 Biological Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: PSYC 291</p>	<p>PSYC 360 Measurement and Assessment 4 cr</p> <p>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.</p> <p>Prerequisite: PSYC 291</p> <p>Repeatable: Maximum of 8 credits</p>
<p>PSYC 332 Drugs and Human Behavior 3 cr</p> <p>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.</p> <p>Prerequisite: One 200-level PSYC course or completion of Self and Society domain</p>	<p>PSYC 370 Human Communication and Perception 3 cr</p> <p>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.</p> <p>Prerequisite: PSYC 291</p>

<p>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</p>	<p>PSYC 399 Honors Seminar in Psychology 3 cr Surveys and critically examines selected areas and issues in psychology. Emphasizes multidisciplinary and interdisciplinary approaches to the topics selected for study. Designed for junior and senior majors intending graduate study in psychology, the seminar requires students to develop a program of reading, give oral presentations and complete a literature review paper. Prerequisite: PSYC 291</p>
<p>PSYC 380 Educational Psychology 3 cr Studies the conditions and theories of classroom learning. Scope: instructional objectives, task analysis, conditioning, concept and rule learning, problem solving, memory, transfer and motivation. Prerequisite: PSYC 208 or PSYC 210 Attributes: Child & Family Studies Minor (C&FS)</p>	<p>PSYC 410 History of Psychology 3 cr Examines the development of psychology as a science, an academic discipline, and a profession. Includes a comparative analysis of major contemporary theories in psychology. Prerequisite: PSYC 291 and completion of 9 upper-division credits in psychology</p>
<p>PSYC 386 Adolescent Development 3 cr Examines the cognitive, social, emotional and physical development of the adolescent from a psychological perspective. Psychological and social problems that may arise during adolescence are discussed. Prerequisite: One 200-level PSYC course Attributes: Child & Family Studies Minor (C&FS)</p>	<p>PSYC 416 Research in Behavior Analysis 4 cr Participate in the design, implementation, analysis and dissemination of empirical research. Students will examine the strategies and rationale underlying within-subject designs through exposure to recently published articles from the behavior analytic literature. The relationship between experimental and applied research will be examined closely. All students will prepare an APA-style manuscript describing their research project. Required laboratory. Prerequisite: PSYC 316</p>
<p>PSYC 387 Childhood Disorders 3 cr Examines the etiology and clinical characteristics of behavioral disorders in infancy through adolescence, including emotional disturbances, anxiety and conduct disorders, mental retardation and learning disabilities. Emphasis on theoretical perspectives, research, assessment, early intervention and prevention. Prerequisite: PSYC 208 or PSYC 210 Attributes: Child & Family Studies Minor (C&FS)</p>	<p>PSYC 440 Counseling Methods in Psychology 3 cr Studies techniques applicable in the helping services and counseling. Theories of counseling and basic psychotherapy will be reviewed. Experiential sessions will demonstrate established theories. Prerequisite: PSYC 270</p>
<p>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</p>	<p>PSYC 470 Teaching Assistant in Psychology 1-3 cr Provides the opportunity for students to assist a faculty member in the preparation and implementation of a psychology course. Particular responsibilities may include providing support with class activities and assisting students enrolled in the course. Amount of credit will be determined by the faculty supervisor in consultation with the student. The course is graded pass/fail. Enrollment requires permission of instructor. Prerequisite: Instructor approval Repeatable: Maximum of 6 credits</p>
<p>PSYC 391 Research Assistant in Psychology 1-3 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 Repeatable: Maximum of 6 credits</p>	<p>PSYC 495 Special Topics in Psychology 3 cr Explores one or more special topics in psychology. Topic will be specified when the course is offered. Prerequisite: Junior/senior status and completion of Tier II Self & Society domain Repeatable: Unlimited Credits</p>
<p>PSYC 397 Research Seminar: 4 cr Applies research design and practice to selected problems. Includes literature review, deriving and empirically testing hypotheses. Requirements involve preparation of laboratory and other research materials, recruitment of participants and collection, analysis, and interpretation of resulting data. Culminates in preparation and submission of a complete report of the research project. Content identified by subtitle. This course is repeatable for a maximum of 8 crs. Required laboratory. Prerequisite: Instructor approval Repeatable: Maximum of 8 credits</p>	<p>PSYC 496 Research in Psychology 3 cr For junior and senior psychology majors who choose to conduct psychological research independently in a specific area. The research will be carried out under the direction of the faculty supervisor and will require a substantive scholarly report of the research. The course may be repeated for credit with the permission of a faculty member. The course is graded pass/fail. Enrollment requires permission of the instructor. Prerequisite: Instructor approval Repeatable: Unlimited Credits</p>
	<p>PSYC 499 Advanced Seminar in Psychology 3 cr An intensive examination of a selected topic in psychology. Mastery of the seminar material will be assessed by the completion of an APA-style paper. Prerequisite: PSYC 291 and completion of 9 upper-division credits in PSYC</p>

PSYC 500 Independent Study**1-3 cr**

Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required. Enrollment requires individual application and permission of the department.

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

PSYC 516 Functional Assessment and Intervention**3 cr**

Receive an intensive overview of behavioral 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 518 Ethics and Professional Issues in Behavior Analysis**3 cr**

Designed to familiarize students with the ethical principles of behavior analysis and the historical contexts in which they developed. We will examine ethics as they apply to research, clinical practice, and the role of the behavior analyst in society.

Prerequisite: PSYC 316

PSYC 540 Psychology Internship**3-15 cr**

Provides opportunities in a variety of public agencies and private organizations to gain practical experience and to develop skills in applying psychological theories, principles, methods and techniques to the management of problems of human development, thought, adjustment and behavior. Enrollment requires individual application and permission of the department.

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 15 credits

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

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.

Behavior Analysis Minor (For Non-Psychology Majors)

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).

Code	Title	Hours
PSYC 100	Introduction to Psychology	3
PSYC 290	Psychological Research and Statistics I	4
PSYC 291	Psychological Research and Statistics II	4
PSYC 316	Behavior Analysis	3
PSYC 416	Research in Behavior Analysis	4
PSYC 516	Functional Assessment and Intervention	3
PSYC 518	Ethics and Professional Issues in Behavior Analysis	3
Total Hours		24

Psychology Minor Program

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

Code	Title	Hours
PSYC 100	Introduction to Psychology	3
PSYC 290	Psychological Research and Statistics I	4
PSYC 291	Psychological Research and Statistics II	4
Select two of the following:		6
PSYC 210	Developmental Psychology	
or PSYC 208	Applied Developmental Psychology	
PSYC 230	Social Psychology	
PSYC 270	Abnormal Psychology	
Select two additional psychology courses at the 300 level or above		6
Total Hours		23

Psychology, B.A.

Code	Title	Hours
Foundation Courses		
PSYC 100	Introduction to Psychology	3

PSYC 101	Introductory Seminar in Psychology	1
Research Methodology		
PSYC 290	Psychological Research and Statistics I	4
PSYC 291	Psychological Research and Statistics II	4
Primary Content Domains		
Select four of the following (at least two must be 300 level):		12
PSYC 210	Developmental Psychology	
or PSYC 208	Applied Developmental Psychology	
or PSYC 208H Honors:	Applied Developmental Psychology	
PSYC 230	Social Psychology	
PSYC 270	Abnormal Psychology	
PSYC 310	Cognitive Psychology	
PSYC 316	Behavior Analysis	
PSYC 331	Biological Psychology	
Advanced Research and Methods		
Select one of the following:		4
PSYC 360	Measurement and Assessment	
PSYC 390	Research Design and Analysis	
PSYC 397	Research Seminar.	
Upper Level Electives		
Select at least two of the following:		6-7
PSYC 325	Environmental Psychology	
PSYC 332	Drugs and Human Behavior	
PSYC 335	Organizational Psychology	
PSYC 340	Psychology of Children with Special Needs	
PSYC 350	Theories of Personality	
PSYC 355	Human Sexuality	
PSYC 356	Psychology of Gender	
PSYC 357	Psychology of Women	
PSYC 370	Human Communication and Perception	
PSYC 376	Sport Psychology	
PSYC 380	Educational Psychology	
PSYC 386	Adolescent Development	
PSYC 387	Childhood Disorders	
PSYC 416	Research in Behavior Analysis	
PSYC 440	Counseling Methods in Psychology	
PSYC 516	Functional Assessment and Intervention	
PSYC 540	Psychology Internship	
Capstone Experience		
PSYC 301	Psychology Professional Seminar	1
Select one of the following:		3
PSYC 410	History of Psychology	
PSYC 499	Advanced Seminar in Psychology	
PSYC 550	Senior Thesis	
Total Hours		38-39

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

Psychology- Behavior Analysis Concentration, B.A.

Code	Title	Hours
Foundation Courses		
PSYC 100	Introduction to Psychology	3
PSYC 101	Introductory Seminar in Psychology	1

Research Methodology Sequence		
PSYC 290	Psychological Research and Statistics I	4
PSYC 291	Psychological Research and Statistics II	4
Primary Content Domains		
Select three of the following (at least one must be 300 level):		9
PSYC 210	Developmental Psychology	
or PSYC 208	Applied Developmental Psychology	
or PSYC 208H Honors:	Applied Developmental Psychology	
PSYC 230	Social Psychology	
PSYC 270	Abnormal Psychology	
PSYC 310	Cognitive Psychology	
PSYC 331	Biological Psychology	
Behavior Analysis Sequence		13
		-
		18
PSYC 316	Behavior Analysis	
AND Sequence I		
PSYC 416	Research in Behavior Analysis	
PSYC 516	Functional Assessment and Intervention	
PSYC 518	Ethics and Professional Issues in Behavior Analysis	
OR Sequence II		
PSYC 552	NECC: Advanced Learning	
PSYC 553	NECC: Functional Analysis and Treatment of Behavior Disorders	
or PSYC 554	NECC: Systematic Inquiry in Applied Research	
PSYC 555	NECC: Seminar and Practica in Clinical Practice	
Advanced Research Methods		
Select one of the following:		4
PSYC 360	Measurement and Assessment	
PSYC 390	Research Design and Analysis	
PSYC 397	Research Seminar.	
Capstone Experience		
PSYC 301	Psychology Professional Seminar	1
Select one of the following:		3
PSYC 410	History of Psychology	
PSYC 499	Advanced Seminar in Psychology	
PSYC 550	Senior Thesis	
Total Hours		42-47

Public Health and Community Health Education

(413) 662-5153

www.mcla.edu/academics/academic-departments/community-health-ed
(<https://www.mcla.edu/academics/academic-departments/community-health-ed/>)

Chairperson: Justin Golub, Ph.D.

Email: J.Golub@mcla.edu

Public Health and Community Health Education Major

The Public Health and Community Health Education program is an interdisciplinary major that provides a foundation in principles of community health, an understanding of the biological basis of disease, social and psychological aspects of health and disease, distribution and determinants of health and disease and practical strategies for implementing health promotion programs. Evidence-based practice is emphasized throughout the curriculum, and students will design and implement health interventions. Through coursework and field experiences, this program will prepare students for successful completion of the Certified Health Education Specialist examination and for a career in community health education.

Students graduating with a major in Public Health and Community Health Education will be able to:

- Understand and apply fundamental concepts in the discipline;
- Find and analyze primary literature in the field;
- Analyze data, with appropriate statistical analysis;
- Demonstrate basic knowledge and skills related to evidence-based practice;
- Communicate health information verbally and in writing;
- Apply health concepts, health promotion and evidence-based practice in a real-world setting.
- Public Health and Community Health Education, B.S. (p. 165)

Health

HLTH 100 Clinical Observation

1 cr

Allows the student to learn about a specific health care field through direct observation of clinical practice. The student will work with a faculty sponsor and a clinical supervisor. Students will complete clinical observation and will participate in scheduled discussions about the observation experience. This course is graded on a pass-fail basis and is repeatable to 3 credits. HLTH 100 may be paired with BIOL 500 Independent Study for advanced exploration of the field.

Prerequisite: Department approval

Repeatable: Maximum of 3 credits

HLTH 105 Medical Terminology

1 cr

Allows recognition and accurate use of terminology that describes the human body and its pathological processes, conditions and diseases. Terminology related to procedures and clinical tests will also be addressed.

HLTH 110 Introduction to Healthcare

3 cr

Provides content for a comprehensive survey and introduction to the U.S. health care system. Topics and discussions will include public health, financing of health care, health insurance, politics, health care providers, and delivery of health care. The course will introduce concepts of regulation, legislation, ethics, and elements of health care reform.

HLTH 150 Introduction to Community and Public Health

3 cr

Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.

Attributes: Core Self & Society (CSS)

HLTH 150H Honors: Introduction to Community and Public Health

3 cr

Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.

Attributes: Core Self & Society (CSS), Honors Program (HONR)

HLTH 195 Special Topics in Health Studies

1-4 cr

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

Repeatable: Unlimited Credits

HLTH 200 Health Promotion and Planning

3 cr

Introduces students to health promotion programs. Students will develop health education curricula and teaching strategies for individuals and groups across the life span and in a variety of settings. Students will explore curricular design theory, health education needs assessments, instructional strategies, learner characteristics, teaching materials and aids, learning environments, and evaluation methods.

HLTH 201 Exercise Science

3 cr

Facilitates an understanding of exercise based on the principles related to training basics, energy systems, muscular fitness and biomechanics. Students will learn to develop training programs for better physical performance and health.

Attributes: Core Science & Tech w/o lab (CST)

HLTH 210 Human Growth and Development

3 cr

Explores the life cycle from conception to death. Biological, sociological and psychological perspectives will be examined and applied to everyday situations and social issues.

Attributes: Core Self & Society (CSS)

HLTH 210H Honors: Human Growth and Development

3 cr

Explores the life cycle from conception to death. Biological, sociological, and psychological perspectives will be examined and applied to everyday situations and social issues.

Attributes: Core Self & Society (CSS), Honors Program (HONR)

HLTH 295 Special Topics in Health Studies

1-4 cr

Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the high introductory level.

Prerequisite: Will vary depending on the course

Repeatable: Unlimited Credits

<p>HLTH 300 Ethical Issues in Health Care Examines the moral traditions and ethical principles relevant to life, and their application in present-day clinical care and biomedical research. Introduces students to the historical, theoretical, and thematic dimensions of health care ethics. Focuses on main ethical terms and concepts, as well as decision-making procedures that students can use to discern and defend moral courses of action in health care. Prerequisite: Junior/senior status</p>	3 cr	<p>HLTH 395 Special Topics in Health Studies Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the advanced level. Prerequisite: Will vary depending on the course Repeatable: Unlimited Credits</p>	1-4 cr
<p>HLTH 310 Environmental Health Provides a multidisciplinary understanding of the science, practice, laws and policy of environmental health sciences, addressing why risk of disease is modulated by the environment. Topics include types and sources of environmental contaminants, exposure assessment, types of microenvironments, human behavior and time-location-activity patterns, toxicology, the risk assessment paradigm, basics of environmental and occupational epidemiology, and communicating about environmental health sciences. Prerequisite: Junior/senior status and BIOL 150 or HLTH 150 or HLTH 150H</p>	3 cr	<p>HLTH 495 Special Topics in Health Studies Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the high advanced level. Prerequisite: Will vary depending on course Repeatable: Unlimited Credits</p>	1-4 cr
<p>HLTH 321 Lower Body Assessment Explores all aspects of injury evaluation. Injuries to the lower extremity and lumbar spine will be stressed through lecture and lab. Required laboratory. Prerequisite: BIOL 342</p>	4 cr	<p>HLTH 500 Health Science Independent Study Open to junior and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required. Prerequisite: Junior/senior status and department approval Repeatable: Maximum of 12 credits</p>	1-3 cr
<p>HLTH 322 Upper Body Assessment Explores all aspects of injury evaluation. Injuries to the upper extremity and cervical spine will be emphasized through lecture and lab. Required laboratory. Prerequisite: BIOL 342</p>	4 cr	<p>HLTH 510 Health Science Independent Research For health science majors who desire to conduct research on a specific topic in a health science field. The research will be under the direction of the instructor and will require scholarly report. Prerequisite: Junior/senior status, department approval Repeatable: Maximum of 12 credits</p>	1-3 cr
<p>HLTH 337 Therapeutic Modalities Explores the physiology of inflammation and pain in the context of injury. Describes the principles and effects of therapeutic modalities (including thermal, acoustic, electrical, light, and mechanical) and promotes appropriate selection and application of the modalities. Required laboratory. Prerequisite: BIOL 150 and sophomore, junior, or senior status</p>	4 cr	<p>HLTH 540 Internship in Community Health Education Provides students with hands-on experience outside of the college in the field of community health and wellness. The student will work with a faculty sponsor and an off-campus supervisor, as appropriate. Repeatable up to 12 credits. Prerequisite: HLTH 200 and junior/senior status Repeatable: Maximum of 12 credits</p>	3 cr
<p>HLTH 338 Therapeutic Exercise Offers students the opportunity to study the techniques and principles involved in rehabilitation of athletic injuries. It includes all aspects of reconditioning exercise and rehabilitation program development. Prerequisite: BIOL 342</p>	3 cr	<p>HLTH 590 Health Internship Provides students with hands-on experience in health fields. The student will work with a faculty sponsor and an off-campus supervisor, as appropriate. Prerequisite: Junior/senior status Repeatable: Maximum of 15 credits</p>	1-15 cr
<p>HLTH 339 Therapeutic Exercise with Lab Offers students the opportunity to study and practice the techniques and principles involved in rehabilitation of athletic injuries. It includes all aspects of reconditioning exercise and rehabilitation program development. Required laboratory. Prerequisite: BIOL 342</p>	4 cr	<h2 style="margin: 0;">Biology</h2>	
<p>HLTH 350 Health Communication Examines how communication affects and is intertwined with issues of health, medicine and ethics. Communication will be discussed on a personal, intimate level in the way patients and caregivers interact in the examination and hospital room; at the organizational level, in the way policies and community relations affect how health care is provided and how people feel about providers; and in media campaigns that seek to educate people about health. Prerequisite: Junior/senior status</p>	3 cr	<p>BIOL 100 Concepts in Biology 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. Attributes: Core Science & Tech w/lab (CSTL)</p>	4 cr
		<p>BIOL 101 Biology Seminar for Majors Introduces students to scientific skills that will support majors in their academic work. Explores the diversity of biological and health fields through presentations, scientific literature and communication activities, and interactions with peers and mentors. This seminar is required for students majoring in biology, health sciences and community health education. Prerequisite: BIOL or HLTH or CHLT Major</p>	1 cr

<p>BIOL 102 Nutrition for Healthy Living with Lab 4 cr</p> <p>Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Required laboratory. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p>	<p>BIOL 245 Zoology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 150</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 103 Nutrition for Healthy Living 3 cr</p> <p>Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>BIOL 250 Nutrition 3 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150</p>
<p>BIOL 105 Human Biology 3 cr</p> <p>Provides the non-major 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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>BIOL 255 Biodiversity 4 cr</p> <p>Provides the non-major with focus on global, regional and local patterns of biological diversity and processes that influence these patterns. Central to discussions of biodiversity pattern and process will be scientific principles from ecology, evolution and conservation biology. The impact of humans on natural systems and biodiversity loss will also be discussed. Case studies will be used to illustrate biodiversity loss and proposals to protect and restore biodiversity. Required laboratory.</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p>
<p>BIOL 150 Introduction to Biology I: Cells 4 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)</p>	<p>BIOL 295 Special Topics in Biology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the high introductory level.</p> <p>Prerequisite: Will vary depending on the course</p> <p>Repeatable: Unlimited Credits</p>
<p>BIOL 160 Introduction to Biology II: Organisms 4 cr</p> <p>Introduces the student to evolution, ecology, and diversity of life. This course is designed for, but not limited to, students pursuing a major/minor in science. Required laboratory</p> <p>Prerequisite: BIOL 150 or ENVI 150H</p>	<p>BIOL 302 Applied Statistics in Biology 1 cr</p> <p>Utilizes a format of mini-lectures and group discussions of statistical analyses used in biology and health fields. One hour weekly.</p> <p>Prerequisite: MATH 232 and sophomore status</p>
<p>BIOL 195 Special Topics in Biology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the introductory level.</p> <p>Repeatable: Unlimited Credits</p>	<p>BIOL 305 Immunology 3 cr</p> <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> <p>Prerequisite: BIOL 240</p>
<p>BIOL 235 Botany 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>BIOL 307 Pharmacology 3 cr</p> <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> <p>Prerequisite: BIOL 150, CHEM 150</p>
<p>BIOL 240 Genetics 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 150</p>	<p>BIOL 312 Epidemiology 3 cr</p> <p>Introduces the student to the field of epidemiology. Students will learn about the distribution, frequency, and determinants of patterns of disease and health conditions in various human populations.</p> <p>Prerequisite: MATH 232 and BIOL 150 or HLTH 150 or HLTH 150H</p>

<p>BIOL 316 Functional Human Anatomy 3 cr</p> <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> <p>Prerequisite: BIOL 100 or BIOL 150</p>	<p>BIOL 332H Honors: Bryology and Lichenology 4 cr</p> <p>Provides skills in identification and knowledge of taxonomy, biology and ecology of bryophytes (mosses, liverworts, hornworts) and macrolichens, with focus on the taxa found in northeastern North America. Students will gain experience identifying these groups using hand-lenses and microscopes, dissections, and chemical testing, and will learn techniques for preparing a personal reference collection and specimens for museum-vouchered collections. Required laboratory; lab mostly outdoors.</p> <p>Prerequisite: BIOL 160 or BIOL 235</p> <p>Attributes: Honors Program (HONR)</p>
<p>BIOL 317 Advanced Genetics 3 cr</p> <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> <p>Prerequisite: BIOL 240</p>	<p>BIOL 334 Field Botany 4 cr</p> <p>Provides skills in plant identification through extensive fieldwork and study of live and pressed specimens. Emphasis on use of keys and associated terminology, exposure to the major vascular plant groups of northeastern North America, and practice identifying unknown plants. Students will learn about identification, morphology, ecology, taxonomy, and nomenclature of large taxonomic groups such as Poaceae (grasses) and Asteraceae (aster family). Required laboratory; labs mostly outdoors.</p> <p>Prerequisite: BIOL 160 or BIOL 235</p>
<p>BIOL 320 Microbiology 4 cr</p> <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.</p> <p>Prerequisite: BIOL 240</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>BIOL 340 Developmental Biology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 240</p>
<p>BIOL 324 Marine Biology 3 cr</p> <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.</p> <p>Prerequisite: BIOL 160</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>BIOL 341 Conservation Biology 3 cr</p> <p>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.</p> <p>Prerequisite: BIOL 160 or ENVI 150 or ENVI 150H</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 327 Plants and Society 3 cr</p> <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.</p> <p>Prerequisite: Junior/senior status</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>BIOL 342 Anatomy and Physiology I 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 150</p>
<p>BIOL 327H Honors: Plants and Society 3 cr</p> <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.</p> <p>Prerequisite: Sophomore/junior/senior status</p> <p>Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>	<p>BIOL 343 Anatomy and Physiology II 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 150, BIOL 342</p>
<p>BIOL 330 Journal Article Discussion 1 cr</p> <p>Utilizes a format of individual presentations and group discussions of journal articles related to topics in biology or health. One hour weekly.</p> <p>Prerequisite: BIOL 101 and junior/senior status</p> <p>Repeatable: Unlimited Credits</p>	<p>BIOL 351 Ornithology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150 or ENVI 150 or ENVI 150H</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 332 Bryology & Lichenology 4 cr</p> <p>Provides skills in identification and knowledge of taxonomy, biology and ecology of bryophytes (mosses, liverworts, hornworts) and macrolichens, with focus on the taxa found in northeastern North America. Students will gain experience identifying these groups using hand-lenses and microscopes, dissections, and chemical testing, and will learn techniques for preparing a personal reference collection and specimens for museum-vouchered collections. Required laboratory; labs mostly outdoors.</p> <p>Prerequisite: BIOL 160 or BIOL 235</p>	

<p>BIOL 353 Entomology 4 cr</p> <p>Prepares students to confidently key specimens of New England insects and other relevant taxa to the family, genus or species level. Students will gain extensive practice in examining insects and other relevant invertebrates using hand-lenses and microscopes, as well as identifying live and preserve specimens using dichotomous keys and associated terminology. Students will learn techniques for assembling a personal reference collection and preparing specimens for museum-vouchered collections. Required laboratory.</p> <p>Prerequisite: BIOL 160</p>	<p>BIOL 403 Applied Nutrition 3 cr</p> <p>Explores current issues and topics of interest in nutrition, including but not limited to athletic performance, human development, human disease and nutritional therapy, with focus on primary literature.</p> <p>Prerequisite: BIOL 250, junior/senior status</p>
<p>BIOL 354 Ecology 4 cr</p> <p>Investigates community and ecosystem structure and function, energy transformation, matter cycling, abiotic factors, food webs, symbiosis and populations. Required laboratory.</p> <p>Prerequisite: BIOL 160 or ENVI 150 or ENVI 150H</p>	<p>BIOL 405 Animal Physiology 4 cr</p> <p>Explores structure and function of major animal organ systems, addressing mechanisms for maintaining homeostasis and body functions. Both vertebrate and invertebrate examples will be used, and experimentation and primary literature will be emphasized. Required laboratory.</p> <p>Prerequisite: BIOL 160, junior/senior status</p>
<p>BIOL 360 Biochemistry 3 cr</p> <p>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.</p> <p>Prerequisite: CHEM 201</p>	<p>BIOL 410 Biotechniques 4 cr</p> <p>Explores major techniques in the fields of biochemistry, cellular biology and molecular biology. This course is designed to be completely laboratory based.</p> <p>Prerequisite: BIOL 160, BIOL 240, junior/senior status</p>
<p>BIOL 361 Advanced Biochemistry 3 cr</p> <p>Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization.</p> <p>Prerequisite: BIOL 360</p>	<p>BIOL 412 Research Methods in Epidemiology 3 cr</p> <p>Introduces the student to research methods in the field of epidemiology. Students will learn the value of research methodology as applied to the field of epidemiology with a focus on concepts and interpretation of basic research design and statistical analysis.</p> <p>Prerequisite: BIOL 312 and junior/senior status</p>
<p>BIOL 361H Honors: Advanced Biochemistry 3 cr</p> <p>Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization.</p> <p>Prerequisite: BIOL 360</p> <p>Attributes: Honors Program (HONR)</p>	<p>BIOL 418 Parasitology 4 cr</p> <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> <p>Prerequisite: BIOL 150 and junior/senior status</p>
<p>BIOL 375 Aquatic Ecology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150 or ENVI 150H</p>	<p>BIOL 420 Bioinformatics 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 243, BIOL 240, junior/senior status</p>
<p>BIOL 380 Evolution 3 cr</p> <p>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.</p> <p>Prerequisite: BIOL 240</p>	<p>BIOL 424 Field Study in Marine Biology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 324, instructor approval, and junior/senior status</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>BIOL 390 Biometry 3 cr</p> <p>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.</p> <p>Prerequisite: Junior status and MATH 150, or MATH 220, or MATH 232</p>	<p>BIOL 440 Exercise Physiology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 343 and junior/senior status</p>
<p>BIOL 395 Special Topics in Biology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the advanced level.</p> <p>Prerequisite: Will vary depending on the course</p> <p>Repeatable: Unlimited Credits</p>	

<p>BIOL 445 Pathophysiology Provides an in-depth survey of physiological causes and pathological development of diseases that affect various organ systems in the body. Pathologies will be examined at the molecular, cellular, tissue and organ levels, with emphasis on the homeostatic disturbances that lead to disease conditions. Current research insights relating to disease states will be addressed throughout the course. Prerequisite: BIOL 343</p>	3 cr	<p>BIOL 493 BMC: Clinical Immunology 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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>	1 cr
<p>BIOL 450 Animal Behavior 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 160, BIOL 240, junior/senior status</p>	4 cr	<p>BIOL 494 BMC: Clinical Hematology 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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>	8 cr
<p>BIOL 475 Special Topics in Biology Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the high advanced level. Prerequisite: Will vary depending on the course Repeatable: Unlimited Credits</p>	1-4 cr	<p>BIOL 495 BMC: Clinical Urinalysis and Body Fluids 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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>	1 cr
<p>BIOL 480 Cell & Molecular Biology Examines the pioneering research in eukaryotic cell and molecular biology. Topics covered include structure and function of organelles, membrane dynamics, intracellular targeting, metabolism, eukaryotic replication, transcription, and translation, and applications to biotechnology. The required laboratory component emphasizes current cell and molecular techniques. Prerequisite: BIOL 240 and junior/senior status</p>	4 cr	<p>BIOL 496 BMC: Clinical Microbiology 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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>	8 cr
<p>BIOL 484 Biomechanics 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 or BIOL 342 and junior/senior status</p>	3 cr	<p>BIOL 497 BMC: Clinical Immunohematology 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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>	5 cr
<p>BIOL 491 BMC: Clinical Chemistry Introduces the student to the physiology of the organ systems 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</p>	8 cr	<p>BIOL 499 Teaching Assistant in Biology Provides the opportunity for a student to assist in the preparation and implementation of a biology course. Prerequisite: Department approval Repeatable: Maximum of 6 credits</p>	1-3 cr
<p>BIOL 492 BMC: Clinical Molecular Biology 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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>	1 cr		

BIOL 500 Biology Independent Study 1-3 cr

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

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

BIOL 510 Biology Independent Research 1-3 cr

For biology majors who desire to conduct research on a specific topic in biology. The research will be under the direction of the instructor and will require a scholarly report.

Prerequisite: Department approval

Repeatable: Maximum of 15 credits

BIOL 540 Biology Internship 1-15 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

Repeatable: Maximum of 15 credits

Public Health and Community Health Education, B.S.

Code	Title	Hours
BIOL 101	Biology Seminar for Majors	1
Select one of the following:		3-8
BIOL 105	Human Biology	
BIOL 342 & BIOL 343	Anatomy and Physiology I and Anatomy and Physiology II	
BIOL 150	Introduction to Biology I: Cells	4
BIOL 250	Nutrition	3
BIOL 312	Epidemiology	3
BIOL 412	Research Methods in Epidemiology	3
HLTH 150	Introduction to Community and Public Health	3
or HLTH 150H	Honors: Introduction to Community and Public Health	
HLTH 200	Health Promotion and Planning	3
HLTH 310	Environmental Health	3
HLTH 540	Internship in Community Health Education	3
MATH 232	Introduction to Statistics	3
SOCI 100	Introduction to Sociology	3
Select three Health & Society electives of the following:		9
ANTH 310	Global Health	
ANTH 315	Community Health	
ANTH 345	Culture, Health and Illness	
ANTH 346	Disability and Culture	
ANTH 380	Gender and Health	
ANTH 395	Special Topics in Anthropology (Culture and the Brain)	
BIOL 403	Applied Nutrition	
HLTH 300	Ethical Issues in Health Care (or CCAP 300 Ethical Issues in Health Care)	
HLTH 350	Health Communication	
SOCI 201	Social Problems	
SOCI 210	Families	
SOCI 321	Race and Ethnic Relations	
SOWK 340	Inequality and Social Policy	
SOWK 405	Poverty and Place	
Select two Psychology electives of the following:		6
HLTH 210	Human Growth and Development	

PSYC 208	Applied Developmental Psychology
or PSYC 210	Developmental Psychology
PSYC 230	Social Psychology
PSYC 316	Behavior Analysis
PSYC 325	Environmental Psychology
PSYC 331	Biological Psychology
PSYC 332	Drugs and Human Behavior
PSYC 355	Human Sexuality
PSYC 356	Psychology of Gender
PSYC 357	Psychology of Women
Total Hours	50-55

Sociology, Anthropology, and Social Work

(413) 662-5362

www.mcla.edu/soci/ (<http://www.mcla.edu/soci/>)

Chairperson: Kerri Leyda Nicoll, Ph.D.

Email: K.Nicoll@mcla.edu

Sociology Major

The Department of Sociology, Anthropology, and Social Work offers a four-year program leading to a Bachelor's Degree in Sociology. The program emphasizes scientific and humanistic methods of inquiry to understand the dynamics of power, poverty, inequality, criminality, childhood and families, health, aging, refugee displacement, cultures of resistance, and social change. Students are encouraged to integrate formal instruction with supervised activities outside the classroom such as internships in social service agencies, service learning, and attendance at professional conferences. Our interdisciplinary program is guided by shared principles that promote human rights, social justice, civic responsibility, and respect for diversities to prepare students for global citizenship in the 21st century.

The major is built upon six foundational courses and one upper level elective that apply a critical perspective for the development of a sociological imagination. Advanced courses extend foundational knowledge and allow students to explore interests in Anthropology, Social Work, and specialized areas within the field of Sociology. Students have options of pursuing minors in Anthropology, Child and Family Studies, Criminal Justice, Women, Gender, and Sexuality Studies, and Social Work with course requirements specific to these fields. The program prepares students for careers in counseling, child and youth services, corrections, rehabilitation, public health, community organizing, and social justice research and advocacy. Many students continue their studies in Master's and Ph.D. programs. A common graduate degree pursued is the Master's of Social Work (MSW).

Students graduating with a major in Sociology will be able to:

- Think critically and be able to evaluate, synthesize, and analyze social science research design and apply this knowledge in original research projects;
- Understand the sociocultural perspective, demonstrate cross-cultural awareness, and identify forms of social inequality and stratification;
- Link academic frameworks to experiential learning such as internships, community based learning, field trips, and travel courses;
- Be prepared for careers and/ or entry into related graduate programs.

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).

Programs

- Anthropology Minor (p. 171)
- Child and Family Studies Minor (p. 172)
- Criminal Justice Minor (p. 172)

- Social Work Minor (p. 172)
- Sociology Minor (p. 172)
- Sociology, B.A. (p. 173)

Anthropology

ANTH 130 Introduction to Sociocultural Anthropology 3 cr

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

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS)

ANTH 130H Honors: 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.

Attributes: Core Self & Society (CSS), Honors Program (HONR)

ANTH 240 Peoples of the World 3 cr

Exposes students to the concepts and methods of sociocultural anthropology through the examination of several cultural groups around the world. Delves into several important topics within anthropology such as economic systems, indigenous peoples, migration, and health. Introduces and practices basic anthropological methods.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)

ANTH 305 Anthropology of Refugees and Displacement 3 cr

Explores the refugee experience in socio-cultural perspective. Considers the role of nationalism, capitalism, ethnicity, race, violence, trauma, and human rights in refugee processes. Examines and critiques the four components of the refugee journey: displacement, the refugee camp, asylum processes, and the durable solutions.

Prerequisite: ANTH 130 or ANTH 240

Attributes: Cross-Cultural and Social Justice (CCSJ)

ANTH 310 Global Health 3 cr

Explores global health issues and crises such as HIV/AIDS, malaria, polio, and food insecurity in social and cultural perspective. Critically examines the colonial history, socio-medical impacts, and cultural contexts of global health interventions. Investigates a current event in global health.

Prerequisite: ANTH 130 or ANTH 240 or SOCI 100

Attributes: Cross-Cultural and Social Justice (CCSJ)

ANTH 315 Community Health 3 cr

Examines the impact of social inequality, culture, violence, environment, and gender on health outcomes. Investigates the socio-cultural components of major local health issues, including food insecurity, metabolic disease, mental health, and addiction. Assesses the effectiveness of public health interventions both locally and globally. Introduces anthropological approaches to developing public health interventions.

Prerequisite: ANTH 130 or ANTH 240 or SOCI 100

- ANTH 323 Culture and Conflict in Africa** 3 cr
Scrutinizes the experience and legacy of colonialism, independence, and social change in parts of sub-Saharan Africa. Challenges common representations of Africa in media and scholarship. Possible topics include: the aftermath of revolution, religious practices, health, inequality, urban life, and cultural productions.
Prerequisite: ANTH 130 or ANTH 240
Attributes: Cross-Cultural and Social Justice (CCSJ)
- 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.
Prerequisite: ANTH 130 or ANTH 240
Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)
- 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 240
Attributes: Cross-Cultural and Social Justice (CCSJ)
- 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 art, and life writing, as well as a site of oppression and exclusion. Compares global disability rights movements.
Prerequisite: ANTH 130 or ANTH 240 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.
Prerequisite: ANTH 130 or ANTH 240
- 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 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.
Prerequisite: ANTH 130 or ANTH 240
Attributes: Honors Program (HONR)
- 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.
Prerequisite: ANTH 130 or ANTH 240
Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)
- ANTH 370 Culture, Power and Protest** 3 cr
Compares the forms of resistance practiced by oppressed groups in a variety of societies. Considers the assumptions that have influenced researchers' assessments of social action. Emphasizes that numerous cultural practices, ranging from religious rites to oratory to spirit possession, have political implications.
Prerequisite: ANTH 130 or ANTH 240
Attributes: Cross-Cultural and Social Justice (CCSJ)
- ANTH 380 Gender and Health** 3 cr
Focuses on issues related to gender and health in the U.S. and around the world. Examines topics such as: reproduction, fertility, reproductive justice, eating disorders, gender-based violence, sexuality, medical technologies, gender confirmation surgeries, and health activism.
Prerequisite: SOCI 100 or ANTH 130 or ANTH 240
Attributes: Women Gender Sexuality Studies (WMST)
- 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 240 and additional prerequisites to be announced
Repeatable: Unlimited Credits
- ANTH 495 Advanced Special Topics in Anthropology** 3 cr
Provides advanced anthropology students an opportunity to explore advanced topics, current issues, methods, and theories in the field of anthropology.
Prerequisite: ANTH 130 or ANTH 240 and junior/senior status
Repeatable: Unlimited Credits
- 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** 1-3 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
Repeatable: Maximum of 12 credits

ANTH 501 Research Assistant 1-3 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

Repeatable: Maximum of 6 credits

ANTH 540 Anthropology Internship 3-15 cr

Placement of advanced students in a public or private organization 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, ANTH 130 or ANTH 240, six semester hours of related courses at 200 level or above, department approval

Repeatable: Maximum of 15 credits

Sociology

SOCI 100 Introduction to Sociology 3 cr

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

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS)

SOCI 201 Social Problems 3 cr

Studies problems and disorganization in modern industrial society such as: poverty, racism, sexism, environmental pollution, militarism and family issues.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS)

SOCI 201H Honors: Social Problems 3 cr

Studies problems and disorganization in modern industrial society such as: poverty, racism, sexism, environmental pollution, militarism, and family issues.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS), Honors Program (HONR)

SOCI 210 Families 3 cr

Explores contemporary American families (the forms they take, the functions they serve, the problems they face) within the context of families of other historical time periods, and other cultures. Presents an interdisciplinary examination of topics such as: gender roles, marriage, divorce and blended families, nonmarital lifestyles, parenting, family policy and technology's impact on family life.

Attributes: Child & Family Studies Minor (C&FS), Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)

SOCI 282 Social Constructions of Deviance 3 cr

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

Attributes: Core Self & Society (CSS)

SOCI 305 Latinas in US Society 3 cr

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

Prerequisite: SOCI 100

Attributes: Child & Family Studies Minor (C&FS), Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)

SOCI 312 Sociological Theory 3 cr

Explores the meaning of theory and its utility in the sociological enterprise. Examines foundational works of major classical theorists (Comte, Marx, Weber, Durkheim) and introduces contemporary perspectives such as symbolic interactionist, critical, feminist, and postmodern theories.

Prerequisite: SOCI 100 and two SOCI electives

SOCI 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.

Prerequisite: SOCI 100

Attributes: Cross-Cultural and Social Justice (CCSJ)

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.

Prerequisite: SOCI 100

Attributes: Environmental Studies (ENVI)

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

<p>SOCI 351 Criminology 3 cr</p> <p>Studies the nature of crime and theories of criminal behavior; operation of courts, police systems and correctional institutions; probation, parole and crime prevention.</p> <p>Prerequisite: SOCI 100</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>	<p>SOCI 410 Sociology of Education 3 cr</p> <p>Uses a race, class, gender analytic structure to investigate social inequalities in education. School choice, urban schools, school sports, space/location, and friendship are some of the areas that will be explored. Family involvement in school choice, tracking, and magnet programs will also be considered. Grade school through college educational outcomes will be addressed.</p> <p>Prerequisite: SOCI 331 or PSYC 290 and junior/senior status</p> <p>Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)</p>
<p>SOCI 352 Juvenile Crime, Justice and Advocacy 3 cr</p> <p>Analyzes deviant/offender behavior and the criminal justice system for children and youth. Considers current issues (e.g., gangs, racism/discrimination, policing, sentencing, incarceration) from various societal perspectives. The course also explores youth advocacy efforts and collaborative work in schools and the larger community to assist youth offenders.</p> <p>Prerequisite: SOCI 100</p> <p>Attributes: Child & Family Studies Minor (C&FS)</p>	<p>SOCI 415 Sociology of Happiness 3 cr</p> <p>Explores attainment and production of human happiness at individual and societal levels. It examines happiness theory and research from sociology, philosophy, anthropology, social psychology, health, political science, economics, public policy, and other fields to provide a comprehensive understanding of wellbeing and its multiple sources.</p> <p>Prerequisite: SOCI 100 and junior/senior status</p>
<p>SOCI 355 Law and Society 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100</p>	<p>SOCI 425 Sociology of Childhood 3 cr</p> <p>Explores the sociology of childhood. The course will begin by establishing definitions for the child and the sociology of childhood. Methodological issues surrounding children as research subjects, meaning making, sense of belonging, inequality, and culture in the worlds of childhood will be addressed. There will be a special focus in this course on the existence and displays of agency and interpretive reproduction in children's lives.</p> <p>Prerequisite: SOCI 100 and junior/senior status</p> <p>Attributes: Child & Family Studies Minor (C&FS)</p>
<p>SOCI 360 Women, Movies, and MTV (music television) 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100 or PSYC 100 or any Self & Society course</p> <p>Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)</p>	<p>SOCI 432 Doing Social Research 4 cr</p> <p>Provides opportunities for students to advance their understanding of social science inquiry in Sociology, Anthropology or Social Work by engaging with research methods, ethical principles and challenges, and research processes within qualitative, quantitative, and mixed methodologies. Students will gain advanced practical knowledge and skills through the application of qualitative, quantitative, and/or mixed methods.</p> <p>Prerequisite: SOCI 100 or ANTH 130 or ANTH 240, junior/senior status</p>
<p>SOCI 395 Special Topics in Sociology 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100 and additional prereqs to be announced</p> <p>Repeatable: Unlimited Credits</p>	<p>SOCI 441 Social Stratification 3 cr</p> <p>Explores and analyzes stratification systems, theories of stratification, social mobility, types of inequality, methods of measuring inequality, and the impact upon life style and personality.</p> <p>Prerequisite: SOCI 100 and junior/senior status</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>
<p>SOCI 402 Genocide 3 cr</p> <p>Examines legal definition and cases of genocide to understand structural preconditions and effective prevention strategies.</p> <p>Prerequisite: SOCI 100 and junior/senior status</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>	<p>SOCI 495 Advanced Special Topics in Sociology 3 cr</p> <p>Provides advanced sociology students with an opportunity to explore advanced topics, current issues, methods, and theories in the field of sociology.</p> <p>Prerequisite: SOCI 100 and junior/senior status</p> <p>Repeatable: Unlimited Credits</p>
<p>SOCI 403 Social Movements 3 cr</p> <p>Introduces students to major social movements of the 20th Century in the U.S. and the variety of state responses to them. Examines political, social, economic conditions that gave rise to movements and the ways in which these movements have succeeded and failed. Explores why people join movements and the tactics they use to achieve movement goals. Additional focus on how art (poetry, literature, performance art, murals, photography) can function as a form of political protest.</p> <p>Prerequisite: SOCI 100 and junior/senior status</p> <p>Attributes: Leadership Minor (LDRS)</p>	<p>SOCI 499 Teaching Assistant in Sociology 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status</p> <p>Repeatable: Maximum of 6 credits</p>

- SOCI 500 Independent Study - Sociology** 1-3 cr
Open to juniors and seniors who wish to read in a given area or to study a topic in depth under the direction of a sociologist. Requires written reports and frequent conferences with the advisor.
Prerequisite: Junior/senior status, department approval
Repeatable: Maximum of 3 credits
- SOCI 501 Research Assistant** 1-3 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
Repeatable: Maximum of 6 credits
- SOCI 505 ProSeminar** 3 cr
Prepares students for the start of potential graduate studies in the social sciences or a related discipline. The seminar will focus on and facilitate student exploration of graduate education and training opportunities including such topics as: the graduate school/program research and selection process; crafting curriculum vitae and/or business resumes; constructing a statement of purpose; and editing writing samples for graduate applications.
Prerequisite: Instructor approval
- SOCI 540 Sociology Internship** 3-15 cr
Placement in public or private organizations that apply knowledge and approaches from the social sciences. Internships are available in community development, criminal justice, educational programs and institutions, and governmental agencies. 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
Repeatable: Maximum of 15 credits
- ## Social Work
- SOWK 241 Introduction to Social Work** 3 cr
Studies the history of social welfare in America, major current social welfare programs, the profession of social work, social service settings and the social work methods of casework, group work and community organization.
Prerequisite: SOCI 100
- SOWK 340 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.
Prerequisite: SOCI 100 or any Self & Society course
Attributes: Child & Family Studies Minor (C&FS), Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)
- SOWK 348 Social Work Skills** 3 cr
Focuses on fundamental social work skills such as establishing a helping relationship, interviewing, listening, feedback, summarizing, and problem solving. Explores contracting, professional values, termination work, and social worker roles of mediator, advocate, outreach worker, social broker, and activist.
Prerequisite: SOCI 100 or PSYC 100
- SOWK 355 Community Organizing** 3 cr
Explores community organizing as a means of empowering citizens to make successful changes in the social issues impacting their communities. Involves the study of theories of community organizing and social change and participation in projects offering a chance to learn about community organizing through practice.
Prerequisite: SOCI 100, recommended SOWK 348
Attributes: Cross-Cultural and Social Justice (CCSJ), Leadership Minor (LDRS)
- SOWK 395 Special Topics in Social Work** 3 cr
A course or seminar for students who have taken a substantial number of social work/social service courses. Such courses or seminars may explore any of a variety of topics concerning casework, group work, community organization, social planning, social policy or other courses which deal with techniques or theory related to social work/social service practice.
Prerequisite: SOCI 100 and additional prereqs to be announced
Repeatable: Unlimited Credits
- SOWK 405 Poverty and Place** 3 cr
Explores the relationship between poverty and location (both physical and social) in U.S. society. Examines multiple poverty contexts within the U.S. (i.e. American Indian reservations, urban communities, small towns), paying close attention to differences and similarities. Analyzes approaches to poverty reduction from the perspective of people living in each context.
Prerequisite: Junior/senior status and SOWK 241
Attributes: Women Gender Sexuality Studies (WMST)
- SOWK 442 Social Casework** 3 cr
Examines casework practice theory and methodologies as applied in a variety of social service settings. Focuses on the psychosocial framework of study, assessment and treatment of client problems. Explores casework with special populations such as children, teenagers, and depressed and suicidal clients.
Prerequisite: SOWK 348
- SOWK 443 Casework with Couples and Families** 3 cr
Explores clinical practice with family problems. Examines the ways in which environmental, social, economic, psychological and institutional pressures help create and exacerbate family dysfunction, and the integration of this understanding into skilled intervention with families.
Prerequisite: SOWK 348
Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)
- SOWK 452 Social Work with Youth Offenders** 3 cr
Examines research and practice related to youth offenders. The causes of youth offending, as well as prevention and treatment, are examined from a variety of perspectives. Current intervention methods will be discussed, and direct exposure to those methods in practice settings will be provided via field trips, speakers, and media presentations.
Prerequisite: SOCI 100 or PSYC 100
Attributes: Child & Family Studies Minor (C&FS)
- SOWK 475 Family Violence** 3 cr
Examines violence within contemporary American families through the lenses of gender, culture, and age. Emphasis is placed on the physical and sexual abuse of women and children. We explore theory, research, and solutions from the fields of social work, sociology, psychology, and feminism.
Prerequisite: SOCI 100 or PSYC 100 and junior/senior status
Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)

SOWK 495 Advanced Special Topics in Social Work 3 cr
 Provides advanced social work students with an opportunity to explore advanced topics, current issues, methods, and theories in the field of social work.

Prerequisite: SOWK 241 and junior/senior status
Repeatable: Unlimited Credits

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. This course requires department approval prior to enrollment.

Prerequisite: Junior/senior status

SOWK 500 Independent Study-Social Work 1-3 cr
 Open to juniors and seniors who wish to read in a given area or to study a topic in depth under the direction of a social worker. Requires written reports and frequent conferences with the advisor.

Prerequisite: Junior/senior status, department approval
Repeatable: Maximum of 12 credits

SOWK 501 Research Assistant 1-3 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
Repeatable: Maximum of 6 credits

SOWK 540 Social Work Internship 3-15 cr
 Placement in social or human service agencies. Internships are available in counseling, advocacy, outreach, organizing, planning and the administration 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, SOWK 241
Repeatable: Maximum of 15 credits

Women Gender Sexuality Studies

WGSS 201 Introduction to Women Gender and Sexuality Studies 3 cr
 Explores the historical, social, political, economic, and cultural forces that inform sex, gender, and sexuality within the context of feminist movements. Students learn and engage with concepts and theoretical perspectives found in the field of Women, Gender, and Sexuality Studies. Understand the multiple matrices of power that shape the world and our lived experiences.

Attributes: Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)

WGSS 202 Feminist Theory 3 cr
 Analyzes and evaluates historical and contemporary feminist works tracing the origins of feminist theories within various local and global contexts. Discuss the development and waves of feminist theory via social and political spheres, women of color feminisms, and intersectional and postmodern forms of feminist theory.

Prerequisite: WGSS 201
Attributes: Women Gender Sexuality Studies (WMST)

WGSS 395 Special Topics in Women Gender and Sexuality Studies 3 cr
 Examines in depth a specific topic area in women, gender, and sexuality studies. Provides advanced work in women, gender, and sexuality studies literature, theory, and/or research in a topic area. Content identified by subtitle.

Prerequisite: WGSS 201
Attributes: Women Gender Sexuality Studies (WMST)
Repeatable: Unlimited Credits

WGSS 500 Independent Study 1-3 cr
 Open to juniors or seniors who wish to study in depth a particular topic related to women, gender, and sexuality studies by drawing upon the perspectives of at least two different disciplines (or MCLA departments). An affiliated Women, Gender, and Sexuality Studies Minor faculty member must be the sponsor of the project.

Prerequisite: Junior/senior status and WGSS Minor
Attributes: Women Gender Sexuality Studies (WMST)
Repeatable: Maximum of 12 credits

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.

Anthropology Minor

The anthropology minor allows students to explore a range of areas in anthropology or to concentrate in cultural/ethnographic studies or in applied/medical anthropology. The minor in anthropology requires eighteen credit hours, at least fifteen credit hours of which must be earned in classroom courses. (A sociology major completing the anthropology minor may apply only ANTH 130 Introduction to Sociocultural Anthropology or ANTH 240 Peoples of the World to both programs.)

Code	Title	Hours
ANTH 130/130H	Introduction to Sociocultural Anthropology	3
ANTH 240	Peoples of the World	3
Select four elective courses of the following:		12
ANTH 305	Anthropology of Refugees and Displacement	
ANTH 310	Global Health	
ANTH 315	Community Health	
ANTH 323	Culture and Conflict in Africa	
ANTH 330	Children and Culture	
ANTH 345	Culture, Health and Illness	
ANTH 346	Disability and Culture	
ANTH 355	Politics of Culture	
ANTH 365	Gender Roles and Culture	
ANTH 370	Culture, Power and Protest	
ANTH 380	Gender and Health	
ANTH 395	Special Topics in Anthropology	
ANTH 495	Advanced Special Topics in Anthropology	
ANTH 499	Teaching Assistant in Anthropology	
ANTH 500	Independent Study	
ANTH 501	Research Assistant	
ANTH 540	Anthropology Internship	
CCSS 268	Culture and the Body	

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

Child and Family Studies Minor

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.)

Code	Title	Hours
PSYC 210 or PSYC 208	Developmental Psychology Applied Developmental Psychology	3
SOCI 210	Families	3
Select twelve elective credits in courses designated as Child and Family Studies from at least two different departments (nine credits must be 300 level or above) of the following: ¹		12
ANTH 330	Children and Culture	
ANTH 365	Gender Roles and Culture	
ANTH 380	Gender and Health	
ANTH 395	Special Topics in Anthropology (as appropriate)	
ANTH 495	Advanced Special Topics in Anthropology (as appropriate)	
CCCA 207	Children's Literature: A Lively Art	
ENGL 392	Queer Identity in Contemporary Literature	
ENGL 490	Senior Seminar (as appropriate)	
PSYC 340	Psychology of Children with Special Needs	
PSYC 355	Human Sexuality	
PSYC 356	Psychology of Gender	
PSYC 380	Educational Psychology	
PSYC 386	Adolescent Development	
PSYC 387	Childhood Disorders	
PSYC 495	Special Topics in Psychology (as appropriate)	
PSYC 499	Advanced Seminar in Psychology (Family Roles only)	
SOCI 305	Latinas in US Society	
SOCI 352	Juvenile Crime, Justice and Advocacy	
SOCI 360	Women, Movies, and MTV (music television)	
SOCI 395	Special Topics in Sociology (as appropriate)	
SOCI 410	Sociology of Education	
SOCI 425	Sociology of Childhood	
SOCI 495	Advanced Special Topics in Sociology (as appropriate)	
SOWK/POSC 340	Inequality and Social Policy	
SOWK 395	Special Topics in Social Work (as appropriate)	
SOWK 443	Casework with Couples and Families	
SOWK 452	Social Work with Youth Offenders	
SOWK 475	Family Violence	
SOWK 495	Advanced Special Topics in Social Work (as appropriate)	
Total Hours		18

¹ Courses must be selected from at least two different departments (two different disciplines within one department is not sufficient).

Criminal Justice Minor

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

Code	Title	Hours
SOCI 100	Introduction to Sociology	3
SOCI 201/201H	Social Problems	3
SOCI 351	Criminology	3
SOCI/SOWK 540	Sociology Internship	3
Select two electives of the following:		6
ANTH 395	Special Topics in Anthropology ¹	
ANTH 495	Advanced Special Topics in Anthropology ¹	
POSC 304	Constitutional Law	
SOCI 282	Social Constructions of Deviance	
SOCI 352	Juvenile Crime, Justice and Advocacy	
SOCI 355	Law and Society	
SOCI 395	Special Topics in Sociology ¹	
SOCI 402	Genocide	
SOCI 495	Advanced Special Topics in Sociology ¹	
SOWK 348	Social Work Skills	
SOWK 395	Special Topics in Social Work ¹	
SOWK 442	Social Casework	
SOWK 452	Social Work with Youth Offenders	
SOWK 475	Family Violence	
SOWK 495	Advanced Special Topics in Social Work ¹	
Total Hours		18

¹ Evaluated on a case by case basis with advisor and department chair approval.

Social Work Minor

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

Code	Title	Hours
SOCI 100	Introduction to Sociology	3
SOWK 241	Introduction to Social Work	3
SOWK 348	Social Work Skills	3
SOWK 540	Social Work Internship	3
Select two 300-400 level social work electives		6
Total Hours		18

Sociology Minor

The Sociology minor allows students to examine a range of areas of sociological interest or to concentrate in areas such as crime, stratification, education, or social research. The minor requires eighteen credit hours, at least fifteen of which must be completed in the classroom.

Code	Title	Hours
SOCI 100	Introduction to Sociology	3
SOCI 312	Sociological Theory	3
SOCI 331	Methods of Social Research	3
Select three sociology electives, two at 300 level or above		9
Total Hours		18

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

Sociology, B.A.

Code	Title	Hours
ANTH 130	Introduction to Sociocultural Anthropology	3
or ANTH 130H	Honors: Introduction to Sociocultural Anthropology	
or ANTH 240	Peoples of the World	
MATH 232/232H	Introduction to Statistics ¹	3
SOCI 100	Introduction to Sociology	3
SOCI 312	Sociological Theory	3
SOCI 321	Race and Ethnic Relations	3
or SOCI 441	Social Stratification	
SOCI 331	Methods of Social Research	3
Select one SOCI elective which must be a 300 level or above		3
Select six departmental electives - 12 credits of which must be at the 300 level or above ²		18
Total Hours		39

¹ MATH 232 Introduction to Statistics credits count in the core requirements.

² WGSS 201 Introduction to Women Gender and Sexuality Studies may be counted toward one of the electives.

Women, Gender, and Sexuality Studies

(413) 662-5362

www.mcla.edu/wmst (<http://www.mcla.edu/wmst/>)

Chairperson: Kerri Leyda Nicoll, Ph.D.

Email: K.Nicoll@mcla.edu

This minor explores how gender and sexuality are socially, culturally, and historically constructed, negotiated, and contested; considers the feminist perspective in a variety of contexts; and approaches women, gender, and sexuality studies from an interdisciplinary perspective.

Programs

- Women, Gender, and Sexuality Studies Minor (p. 174)

WGSS 201 Introduction to Women Gender and Sexuality Studies 3 cr

Explores the historical, social, political, economic, and cultural forces that inform sex, gender, and sexuality within the context of feminist movements. Students learn and engage with concepts and theoretical perspectives found in the field of Women, Gender, and Sexuality Studies. Understand the multiple matrices of power that shape the world and our lived experiences.

Attributes: Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)

WGSS 202 Feminist Theory 3 cr

Analyzes and evaluates historical and contemporary feminist works tracing the origins of feminist theories within various local and global contexts. Discuss the development and waves of feminist theory via social and political spheres, women of color feminisms, and intersectional and postmodern forms of feminist theory.

Prerequisite: WGSS 201

Attributes: Women Gender Sexuality Studies (WMST)

WGSS 395 Special Topics in Women Gender and Sexuality Studies 3 cr

Examines in depth a specific topic area in women, gender, and sexuality studies. Provides advanced work in women, gender, and sexuality studies literature, theory, and/or research in a topic area. Content identified by subtitle.

Prerequisite: WGSS 201

Attributes: Women Gender Sexuality Studies (WMST)

Repeatable: Unlimited Credits

WGSS 500 Independent Study 1-3 cr

Open to juniors or seniors who wish to study in depth a particular topic related to women, gender, and sexuality studies by drawing upon the perspectives of at least two different disciplines (or MCLA departments). An affiliated Women, Gender, and Sexuality Studies Minor faculty member must be the sponsor of the project.

Prerequisite: Junior/senior status and WGSS Minor

Attributes: Women Gender Sexuality Studies (WMST)

Repeatable: Maximum of 12 credits

Women, Gender, and Sexuality Studies Minor

Code	Title	Hours
WGSS 201	Introduction to Women Gender and Sexuality Studies	3
Fifteen elective credits in courses designated Women, Gender, and Sexuality Studies from at least two different departments, nine of which must be 300 level or above		15
Total Hours		18

Elective Courses

Code	Title	Hours
ANTH 240	Peoples of the World	3
ANTH 330	Children and Culture	3
ANTH 365	Gender Roles and Culture	3
ANTH 380	Gender and Health	3
ARTH 311	Topics in Art History	3
BIOL 395	Special Topics in Biology (when applicable)	1-4
BADM 390	Managing Workplace Diversity (when applicable)	3
CCHH 210	American Women Regionalist Writers	3
CCHH 230	Introduction to Latinx Studies	3
CCSS 268	Culture and the Body	3
ENGL 313	Global Anglophone Language and Literature	3
ENGL 381	African American Literature	3
ENGL 388	Visions and Voices: American Ethnic Literature and Art	3
ENGL 392	Queer Identity in Contemporary Literature	3
ENGL 397	Special Topics in Film (when applicable)	3
ENGL 441	Special Topics in Literature (when applicable)	3
HIST 320	Topics in United States History (when applicable)	3
IDST 350	World History in Contexts (when applicable - World of Work)	3
IDST 360	Topics in Culture and Society (when applicable)	3
PHIL 385	Special Topics in Philosophy (Women & Philosophy)	3
PHIL 485	Special Topics in Philosophy (Ethics & Gender)	3
PHED 146	Self Defense for Women	1
POSC 308	Women and Politics	3
POSC/SOWK 340	Inequality and Social Policy	3
PSYC 355	Human Sexuality	3
PSYC 356	Psychology of Gender	3
PSYC 357	Psychology of Women	3
PSYC 495	Special Topics in Psychology (when applicable)	3
PSYC 499	Advanced Seminar in Psychology (when applicable)	3
SOCI 210	Families	3
SOCI 305	Latinas in US Society	3
SOCI 360	Women, Movies, and MTV (music television)	3
SOCI 395	Special Topics in Sociology (when applicable)	3
SOCI 410	Sociology of Education	3
SOWK 340	Inequality and Social Policy	3
SOWK 405	Poverty and Place	3
SOWK 443	Casework with Couples and Families	3
SOWK 475	Family Violence	3
SPAN 390	Special Topics in Hispanic Literature and Film (when applicable)	3
WGSS 202	Feminist Theory	3
WGSS 395	Special Topics in Women Gender and Sexuality Studies	3
WGSS 500	Independent Study	1-3

COURSE DESCRIPTIONS

Course Attribute Key

Code	Attribute
C&FS	Child and Family Studies Minor
CAP	Core Capstone Experience
CCA	Core Creative Arts
CCSJ	Cross Cultural and Social Justice
CHH	Core Human Heritage
CLA	Core Language Arts
CMA	Core Quantitative Reasoning
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
WGSS	Women, Gender, and Sexuality Studies

A

- Academics (ACAD) (p. 176)
- Anthropology (ANTH) (p. 176)
- Art (ART) (p. 177)
- Art History (ARTH) (p. 178)
- Arts Management (AMGT) (p. 179)
- Athletic Training (ATTR) (p. 180)

B

- Biology (BIOL) (p. 182)
- Business Administration (BADM) (p. 186)

C

- Capstone (CCAP) (p. 189)
- Chemistry (CHEM) (p. 189)
- Communications (COMM) (p. 191)
- Computer Science (CSCI) (p. 193)
- Computing & Communications (CCCL) (p. 196)
- Creative Arts (CCCA) (p. 196)

D

- Dance (DANC) (p. 197)

E

- Earth Science (ERTH) (p. 197)
- Economics (ECON) (p. 198)
- Education (EDUC) (p. 199)
- English (ENGL) (p. 202)

- Entrepreneurship (ENTR) (p. 206)
- Environmental Studies (ENVI) (p. 206)

F

- Fine & Performing Arts (FPA) (p. 208)
- French (FREN) (p. 208)

H

- Health (HLTH) (p. 209)
- History (HIST) (p. 210)
- Honors (HONR) (p. 212)
- Human Heritage (CCHH) (p. 215)

I

- Interdisciplinary Studies (IDST) (p. 215)
- Italian (ITAL) (p. 216)

L

- Leadership (LEAD) (p. 216)

M

- Mathematics (MATH) (p. 217)
- Modern Language (MODL) (p. 219)
- Music (MUSI) (p. 219)

P

- Philosophy (PHIL) (p. 220)
- Physical Education (PHED) (p. 222)
- Physics (PHYS) (p. 223)
- Political Science (POSC) (p. 224)
- Psychology (PSYC) (p. 226)

R

- Radiologic Science (RADS) (p. 229)
- Radiologic Technology (RADT) (p. 231)

S

- Science & Technology (CCST) (p. 234)
- Self & Society (CCSS) (p. 235)
- Social Work (SOWK) (p. 235)
- Sociology (SOCL) (p. 236)
- Spanish (SPAN) (p. 239)

T

- Theatre (THEA) (p. 239)
- Travel (TRVL) (p. 241)

W

- Women Gender Sexuality Studies (WGSS) (p. 241)

Academics (ACAD)

ACAD 101 Thriving in College and Beyond

1 cr

Assists students who are having academic difficulty after their first semester at MCLA. The course addresses barriers that often impede student success, such as time management, goal setting, and study habits. The goal for the academic success course is for students to develop appropriate learning strategies that can be applied to different types of courses and teaching styles. This course will be graded as Pass/No Pass.

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.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS)

ANTH 130H Honors: 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.

Attributes: Core Self & Society (CSS), Honors Program (HONR)

ANTH 240 Peoples of the World

3 cr

Exposes students to the concepts and methods of sociocultural anthropology through the examination of several cultural groups around the world. Delves into several important topics within anthropology such as economic systems, indigenous peoples, migration, and health. Introduces and practices basic anthropological methods.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)

ANTH 305 Anthropology of Refugees and Displacement

3 cr

Explores the refugee experience in socio-cultural perspective. Considers the role of nationalism, capitalism, ethnicity, race, violence, trauma, and human rights in refugee processes. Examines and critiques the four components of the refugee journey: displacement, the refugee camp, asylum processes, and the durable solutions.

Prerequisite: ANTH 130 or ANTH 240

Attributes: Cross-Cultural and Social Justice (CCSJ)

ANTH 310 Global Health

3 cr

Explores global health issues and crises such as HIV/AIDS, malaria, polio, and food insecurity in social and cultural perspective. Critically examines the colonial history, socio-medical impacts, and cultural contexts of global health interventions. Investigates a current event in global health.

Prerequisite: ANTH 130 or ANTH 240 or SOCI 100

Attributes: Cross-Cultural and Social Justice (CCSJ)

ANTH 315 Community Health

3 cr

Examines the impact of social inequality, culture, violence, environment, and gender on health outcomes. Investigates the socio-cultural components of major local health issues, including food insecurity, metabolic disease, mental health, and addiction. Assesses the effectiveness of public health interventions both locally and globally. Introduces anthropological approaches to developing public health interventions.

Prerequisite: ANTH 130 or ANTH 240 or SOCI 100

ANTH 323 Culture and Conflict in Africa

3 cr

Scrutinizes the experience and legacy of colonialism, independence, and social change in parts of sub-Saharan Africa. Challenges common representations of Africa in media and scholarship. Possible topics include: the aftermath of revolution, religious practices, health, inequality, urban life, and cultural productions.

Prerequisite: ANTH 130 or ANTH 240

Attributes: Cross-Cultural and Social Justice (CCSJ)

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.

Prerequisite: ANTH 130 or ANTH 240

Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)

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 240

Attributes: Cross-Cultural and Social Justice (CCSJ)

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 art, and life writing, as well as a site of oppression and exclusion. Compares global disability rights movements.

Prerequisite: ANTH 130 or ANTH 240 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.

Prerequisite: ANTH 130 or ANTH 240

- 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 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.
Prerequisite: ANTH 130 or ANTH 240
Attributes: Honors Program (HONR)
- 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.
Prerequisite: ANTH 130 or ANTH 240
Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)
- ANTH 370 Culture, Power and Protest** 3 cr
Compares the forms of resistance practiced by oppressed groups in a variety of societies. Considers the assumptions that have influenced researchers' assessments of social action. Emphasizes that numerous cultural practices, ranging from religious rites to oratory to spirit possession, have political implications.
Prerequisite: ANTH 130 or ANTH 240
Attributes: Cross-Cultural and Social Justice (CCSJ)
- ANTH 380 Gender and Health** 3 cr
Focuses on issues related to gender and health in the U.S. and around the world. Examines topics such as: reproduction, fertility, reproductive justice, eating disorders, gender-based violence, sexuality, medical technologies, gender confirmation surgeries, and health activism.
Prerequisite: SOCI 100 or ANTH 130 or ANTH 240
Attributes: Women Gender Sexuality Studies (WMST)
- 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 240 and additional prerequisites to be announced
Repeatable: Unlimited Credits
- ANTH 495 Advanced Special Topics in Anthropology** 3 cr
Provides advanced anthropology students an opportunity to explore advanced topics, current issues, methods, and theories in the field of anthropology.
Prerequisite: ANTH 130 or ANTH 240 and junior/senior status
Repeatable: Unlimited Credits
- 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** 1-3 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
Repeatable: Maximum of 12 credits
- ANTH 501 Research Assistant** 1-3 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
Repeatable: Maximum of 6 credits
- ANTH 540 Anthropology Internship** 3-15 cr
Placement of advanced students in a public or private organization 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, ANTH 130 or ANTH 240, six semester hours of related courses at 200 level or above, department approval
Repeatable: Maximum of 15 credits
- ## 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.
- ART 118 Introduction to Design** 3 cr
Introduces design through individual and collaborative design projects. Uses a variety of materials and processes, explores the elements and principles of design, project development, presentation skills and the role of the craft.
- ART 125 Introduction to Sculpture** 3 cr
Introduces a variety of sculptured methods including manipulation, addition and subtraction as well as principles of three-dimensional design.
- ART 201 Studio: Art & Society** 3 cr
Focuses on potential impacts of visual arts in both societal and personalized contexts through the introduction and understanding of basic drawing techniques, first-hand art experiences, research and writing. Students will be required to explore image-making, as well as writing, to express original ideas and to enhance critical thought, observation, and analysis of existing artwork, explaining and discussing the contexts in which an artwork was made and is viewed. Intended for non-art majors.
Attributes: Core Creative Arts (CCA)
- ART 204 Digital Media** 3 cr
Introduces students to digital media and techniques with a particular emphasis on contemporary practical applications.

<p>ART 212 Introduction to Painting 3 cr</p> <p>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.</p> <p>Prerequisite: ART 116</p>	<p>ART 412 Advanced Art Lab 1-6 cr</p> <p>Advanced, experimental studio art laboratory. Course work includes analysis and creation of individualized art projects designed by the student with frequent feedback from the instructor, peer groups, critiques, and/or guest artists. This course may be repeated.</p> <p>Prerequisite: Minimum 3 credits of ART 315 or senior status</p> <p>Repeatable: Unlimited Credits</p>
<p>ART 216 Intermediate Drawing 3 cr</p> <p>Develops intermediate drawing projects by working from observation and imagination. Techniques focus on line, modeling and form using intensive sketching processes.</p> <p>Prerequisite: ART 116</p>	<p>ART 435 Advanced Studio (Technique) 3 cr</p> <p>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.</p> <p>Prerequisite: Any 200 or 300 level ART course</p> <p>Repeatable: Unlimited Credits</p>
<p>ART 218 Intermediate Design 3 cr</p> <p>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.</p> <p>Prerequisite: ART 118</p>	<p>ART 480 Senior Art Project 3 cr</p> <p>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.</p> <p>Prerequisite: Senior Art Major</p> <p>Repeatable: Unlimited Credits</p>
<p>ART 232 Intermediate Painting 3 cr</p> <p>Continues the exploration of our visual world, with increased attention to painting materials, color and palette, composition and metaphor in painting.</p> <p>Prerequisite: ART 116, ART 212</p>	<p>ART 499 Teaching Assistantship 1-3 cr</p> <p>Study art teaching methods, deliver academic class presentations, assist with study sessions and tutorials, attend all classes, final paper and other duties negotiated with course instructor. Must have completed a minimum of four (4) courses in the major, 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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 6 credits</p>
<p>ART 235 Introductory Studio (Technique) 3 cr</p> <p>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.</p> <p>Prerequisite: ART 116</p> <p>Repeatable: Unlimited Credits</p>	<p>ART 500 Independent Study 1-3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status</p> <p>Repeatable: Maximum of 12 credits</p>
<p>ART 305 The Human Figure 3 cr</p> <p>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.</p> <p>Prerequisite: ART 116</p>	<p>ART 540 Internship 1-15 cr</p> <p>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 departmental approval.</p> <p>Prerequisite: Junior/senior status and department approval</p> <p>Repeatable: Maximum of 15 credits</p>
<p>ART 315 Intermediate Art Lab 1-6 cr</p> <p>Intermediate, experimental studio art laboratory. Course work includes analysis and creation of individualized art projects designed by the student with frequent feedback from the instructor, peer groups, critiques, and/or guest artists. This course may be repeated.</p> <p>Prerequisite: Junior status, Art Major or Minor</p> <p>Repeatable: Unlimited Credits</p>	<p>Art History (ARTH)</p>
<p>ART 335 Intermediate Studio (Technique) 3 cr</p> <p>Employs mid-level studio art techniques to create original artworks. Method and technique vary by semester and may include art forms such as cast painting, block printing, digital photography, book arts, sculpture or other specialty topics. Course may be repeated.</p> <p>Prerequisite: Any 100 or 200 level ART course</p> <p>Repeatable: Unlimited Credits</p>	<p>ARTH 117 Introduction to Art History 3 cr</p> <p>Introduces art, architecture, and sculpture from prehistory to the present. Focuses on the art of the West with additional discussion of non-Western cultures. Examines major works and artists within their historical, social, and political contexts while tracing principle art movements. Also explores materials and techniques of art making. Course may include field trips to local museums.</p> <p>Attributes: Core Creative Arts (CCA)</p>

- ARTH 217 Contemporary Art** 3 cr
Introduces contemporary art. Presents major artists in cultural, historical, and political contexts. Topics may include the changing nature of the avant-garde, the roles of the critic and the economic market, new forms of art making, and the expanding conceptions of creative self-expression, particularly with regards to gender identity and race. Course may include field trips to MASS MoCA and other local sites of contemporary art.
Attributes: Core Creative Arts (CCA)
- ARTH 311 Topics in Art History** 3 cr
Provides a focused investigation of a particular art historical period(s) or theme(s). Introduces art historical research and bibliography. Topics vary by section. May be repeated for credit with a different topic.
Prerequisite: ARTH 117 or ARTH 217
Repeatable: Unlimited Credits
- ARTH 413 Seminar in Art History** 3 cr
Provides a critical and sustained investigation of a particular topic. Topics vary by section and rotate among art historical fields. Students in this advanced seminar read and discuss relevant texts and are exposed to varying art historical viewpoints and theories. Students conduct independent research, make oral presentations, and write research papers. May be repeated for credit with a different topic.
Prerequisite: ARTH 311
Repeatable: Unlimited Credits
- ARTH 500 Independent Study in Art History** 1-3 cr
Develop an art historical research topic to study critically and in depth in conjunction with the faculty advisor.
Prerequisite: Instructor approval
Repeatable: Maximum of 12 credits
- ## 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.
- AMGT 235 Fundamentals of Arts and Culture Organizations** 3 cr
Explores functional elements of arts and culture organizations with emphasis on strategic planning and organizations' fit in the arts ecosystem. An in-depth study of arts management focusing on topics including planning, organizational identity, environmental analysis, strategy development, marketing, human resources, financial planning, fundraising and control systems. Focus will be on the strategic management process and organizational innovation in the context of the contemporary arts environment.
- AMGT 235H Honors: Fundamentals of Arts and Culture** 3 cr
Explores functional elements of arts and culture organizations with emphasis on strategic planning and organizations' fit in the arts ecosystem. An in-depth study of arts management focusing on topics including planning, organizational identity, environmental analysis, strategy development, marketing, human resources, financial planning, fundraising and control systems. Focus will be on the strategic management process and organizational innovation in the context of the contemporary arts environment.
Attributes: Honors Program (HONR)
- AMGT 245 Arts and Culture Marketing** 3 cr
Examines the fundamentals of marketing theory and its application in arts and culture management. Topics include marketing mix; situational analysis; segmentation, branding; the 4 P's, publicity; Internet, social media, and database marketing; and marketing plan implementation and control. This course will examine theory and then directly apply concepts in the development of personal branding tools and in the generation of comprehensive marketing for a local arts or culture organization.
Prerequisite: AMGT 130 or AMGT 235
- AMGT 255 Financial Management in Arts and Culture** 3 cr
Explores and examines the major elements of financial accounting in a typical arts or culture organization. With a focus on non-profit finance, students will learn to perform basic accounting tasks, prepare and analyze financial statements, implement an effective financial control system, use financial information as part of organizational decision making, develop a mission-driven budget, and understand professional accounting standards.
Prerequisite: AMGT 130 or AMGT 235
- AMGT 295 Topics in Arts Management** 1-3 cr
Studies a specific aspect of arts management designed to provide applied studies in arts management analysis, communication, legal issues, marketing, finance, performing arts management, museum studies, artist entrepreneurship, community engagement, community arts & education, arts & culture policy, arts advocacy or other arts management related content. Content identified by subtitle.
Repeatable: Unlimited Credits
- AMGT 305 Writing for Arts and Culture** 3 cr
Prepares students for writing in the arts and culture for a variety of contexts and audiences. The class will be run in a seminar format where students experience and engage in writing, analyzing, and drafting processes exploring a range of methods of communicating effectively and disseminating information about the arts and about their role in the arts. Students will develop a portfolio of writing (philosophy statement, bio, resume, cover letter, press release, blog entries, reviews, interviews, etc.)
Prerequisite: AMGT 130 or AMGT 235
- 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 and culture organizations.
Prerequisite: AMGT 130 or 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 ARTH 117 or AMGT 235
- 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

<p>AMGT 345 Community Arts and Education 3 cr</p> <p>Explores the work of artist educators in and out-of-school contexts, develops skills to identify learning objectives for their work, documents educational work, and increases the potency of marketing and descriptive material.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 440 Advanced Performing Arts Management 3 cr</p> <p>Focuses on practical and applied experience in performing arts management. Students will examine presenting from all angles including curatorial methods and current trends in performing arts. Course uses practical and real life examples of organizing an actual festival including marketing, budgeting, production, curating and audience development.</p> <p>Prerequisite: AMGT 340</p>	
<p>AMGT 345H Honors: Community Arts Education 3 cr</p> <p>Explores the work of artist educators in and out of school contexts; develops skills to identify learning objectives for their work; documents educational work; increases the potency of marketing and descriptive material.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p> <p>Attributes: Honors Program (HONR)</p>	<p>AMGT 445 Community Engagement in Arts & Culture 3 cr</p> <p>Explores intersections between creative process, social activism and cross-sector work in community contexts. Students consider how artists, arts and culture managers, and community leaders work to catalyze communities through engagement in the arts and culture. Students investigate examples of projects and organizations that have successfully used arts and culture to address issues by sparking successful community dialogue.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	
<p>AMGT 355 Artist Entrepreneurship 3 cr</p> <p>Introduces the skills and techniques specific to individual fine arts businesses with an emphasis on applied work, peer critique and the development and/or refinement of a comprehensive portfolio of fine arts business tools. Topics to include strategic planning, marketing, financial record keeping, budgeting, taxes, time management, grant writing, legal issues, business structure and integrated technology use.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 450 Career and Portfolio Workshop 1 cr</p> <p>Provides senior students majoring in Arts Management 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 a personal strategic plan 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 and tools for success.</p> <p>Prerequisite: Arts management senior major</p>	
<p>AMGT 365 Arts and Culture Research 3 cr</p> <p>Investigates the role of research in advancing arts and culture. Students will learn how to read and make sense of research studies in arts and culture. Students engage in research activities moving from designing a research question and conducting a literature review to designing instruments to collect data. Students explore strategies for analyzing data and consider implications for promising practices in the field. Students participate in research on a community-based project.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 499 Teaching Assistantship 1-3 cr</p> <p>Study arts management teaching methods, supervise academic class presentations, assist with study sessions and tutorials, attend all classes, final paper and other duties negotiated with course instructor. Must have completed a minimum of four (4) courses in the major, 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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 6 credits</p>	
<p>AMGT 375 Arts and Culture Leadership 3 cr</p> <p>Studies the theories of human motivation and leadership and adaptation of these theories to programs in arts and culture organizations. Students will probe concepts of authority and delegation and analyze leadership styles. Students will also explore concepts of and develop skills in managing effective work teams, time management, hiring and supervision, and board relations.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 500 Supervised Independent Study 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status and department approval</p> <p>Repeatable: Maximum of 12 credits</p>	
<p>AMGT 385 Legal Issues in Arts and Culture 3 cr</p> <p>Introduces students to the basic legal issues encountered in arts and culture management. Students will cover the concepts of intellectual property, contracts and business structure. Current legal issues facing the industry will be addressed with a focus on the impacts of the digital age.</p> <p>Prerequisite: AMGT 130 or AMGT 235</p>	<p>AMGT 540 Internship in Arts & Culture 1-15 cr</p> <p>Provides opportunities in a variety of arts and culture organizations to gain practical experience and develop skills in applying arts and culture theories in management, marketing, finance, development, community engagement, education and program administration. Includes accompanying classroom session to integrate field and classroom learning. Enrollment requires individual application and permission of the department.</p> <p>Prerequisite: Junior/senior status and department approval</p> <p>Repeatable: Maximum of 15 credits</p>	
<p>AMGT 430 Topics in Arts Management 3 cr</p> <p>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.</p> <p>Prerequisite: AMGT 130</p> <p>Repeatable: Unlimited Credits</p>	<h2 style="margin: 0;">Athletic Training (ATTR)</h2>	
<p>AMGT 435 Advanced Museum Studies 3 cr</p> <p>An advanced level of museum study which includes management and exhibition.</p> <p>Prerequisite: AMGT 335</p>	<p>ATTR 100 Observation in Athletic Training I 1 cr</p> <p>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.</p> <p>Corequisite: ATTR 220</p> <p>Attributes: Additional Fees Apply (FEE)</p>	

<p>ATTR 101 Observation in Athletic Training II 1 cr</p> <p>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.</p> <p>Corequisite: ATTR 221</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>ATTR 321 Lower Body Assessment 4 cr</p> <p>Explores all aspects of injury evaluation. Injuries to the lower extremity and lumbar spine will be stressed through lecture and lab. Required laboratory.</p> <p>Prerequisite: ATTR major</p>
<p>ATTR 200 Practicum in Athletic Training I 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 321</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>ATTR 322 Upper Body Assessment 4 cr</p> <p>Explores all aspects of injury evaluation. Injuries to the upper extremity, head and cervical spine will be stressed through lecture and lab. Required laboratory.</p> <p>Prerequisite: ATTR major</p>
<p>ATTR 201 Practicum in Athletic Training II 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 322</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>ATTR 337 Modalities in Athletic Training 4 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p>
<p>ATTR 220 Introduction to Athletic Training I 3 cr</p> <p>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.</p> <p>Corequisite: ATTR 100</p>	<p>ATTR 338 Therapeutic Exercise 3 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p>
<p>ATTR 221 Introduction to Athletic Training II 3 cr</p> <p>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.</p> <p>Prerequisite: ATTR 220</p> <p>Corequisite: ATTR 101</p>	<p>ATTR 340 Athletic Training Management 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status</p> <p>Attributes: Leadership Minor (LDRS)</p>
<p>ATTR 300 Practicum in Athletic Training III 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 337</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>ATTR 400 Practicum in Athletic Training V 1 cr</p> <p>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. This course will be graded on a pass/fail basis.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 450</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>ATTR 301 Practicum in Athletic Training IV 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR major</p> <p>Corequisite: ATTR 338</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>ATTR 401 Practicum in Athletic Training VI 1 cr</p> <p>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.</p> <p>Prerequisite: ATTR 200, ATTR 201, ATTR 300, ATTR 301, ATTR 400</p> <p>Attributes: Additional Fees Apply (FEE)</p>
	<p>ATTR 450 General Medicine in Athletic Training 1 cr</p> <p>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.</p> <p>Prerequisite: BIOL 342, BIOL 343</p>

Biology (BIOL)

<p>BIOL 100 Concepts in Biology 4 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p>	<p>BIOL 195 Special Topics in Biology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the introductory level.</p> <p>Repeatable: Unlimited Credits</p>
<p>BIOL 101 Biology Seminar for Majors 1 cr</p> <p>Introduces students to scientific skills that will support majors in their academic work. Explores the diversity of biological and health fields through presentations, scientific literature and communication activities, and interactions with peers and mentors. This seminar is required for students majoring in biology, health sciences and community health education.</p> <p>Prerequisite: BIOL or HLTH or CHLT Major</p>	<p>BIOL 235 Botany 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 102 Nutrition for Healthy Living with Lab 4 cr</p> <p>Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Required laboratory. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p>	<p>BIOL 240 Genetics 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 150</p>
<p>BIOL 103 Nutrition for Healthy Living 3 cr</p> <p>Introduces the non-major to the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals, and their interactions. Explores topics such as label-reading, popular diets, dietary analysis, and other issues of current interest in the field of nutrition. Students may take either BIOL 102 (4 credit lab course) or BIOL 103 (3 credit non-lab course) but not both.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>BIOL 245 Zoology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 150</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>BIOL 105 Human Biology 3 cr</p> <p>Provides the non-major 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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>BIOL 250 Nutrition 3 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150</p>
<p>BIOL 150 Introduction to Biology I: Cells 4 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)</p>	<p>BIOL 255 Biodiversity 4 cr</p> <p>Provides the non-major with focus on global, regional and local patterns of biological diversity and processes that influence these patterns. Central to discussions of biodiversity pattern and process will be scientific principles from ecology, evolution and conservation biology. The impact of humans on natural systems and biodiversity loss will also be discussed. Case studies will be used to illustrate biodiversity loss and proposals to protect and restore biodiversity. Required laboratory.</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p>
<p>BIOL 160 Introduction to Biology II: Organisms 4 cr</p> <p>Introduces the student to evolution, ecology, and diversity of life. This course is designed for, but not limited to, students pursuing a major/minor in science. Required laboratory</p> <p>Prerequisite: BIOL 150 or ENVI 150H</p>	<p>BIOL 295 Special Topics in Biology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the high introductory level.</p> <p>Prerequisite: Will vary depending on the course</p> <p>Repeatable: Unlimited Credits</p>
	<p>BIOL 302 Applied Statistics in Biology 1 cr</p> <p>Utilizes a format of mini-lectures and group discussions of statistical analyses used in biology and health fields. One hour weekly.</p> <p>Prerequisite: MATH 232 and sophomore status</p>
	<p>BIOL 305 Immunology 3 cr</p> <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> <p>Prerequisite: BIOL 240</p>

<p>BIOL 307 Pharmacology Examines the basic principles of pharmacology. Focuses on prescription and non-prescription drugs, their use, actions, indications, contraindications, misuse and abuse. Drugs will be considered on a body system basis with the appropriate consideration of the application of pharmacological principles as applied to specific body systems. Emphasis is on pharmacological applications to athletic training. Stresses the use of electronic media in both learning exercises and as a source of drug information. Prerequisite: BIOL 150, CHEM 150</p>	3 cr	<p>BIOL 330 Journal Article Discussion Utilizes a format of individual presentations and group discussions of journal articles related to topics in biology or health. One hour weekly. Prerequisite: BIOL 101 and junior/senior status Repeatable: Unlimited Credits</p>	1 cr
<p>BIOL 312 Epidemiology Introduces the student to the field of epidemiology. Students will learn about the distribution, frequency, and determinants of patterns of disease and health conditions in various human populations. Prerequisite: MATH 232 and BIOL 150 or HLTH 150 or HLTH 150H</p>	3 cr	<p>BIOL 332 Bryology & Lichenology Provides skills in identification and knowledge of taxonomy, biology and ecology of bryophytes (mosses, liverworts, hornworts) and macrolichens, with focus on the taxa found in northeastern North America. Students will gain experience identifying these groups using hand-lenses and microscopes, dissections, and chemical testing, and will learn techniques for preparing a personal reference collection and specimens for museum-vouchered collections. Required laboratory; labs mostly outdoors. Prerequisite: BIOL 160 or BIOL 235</p>	4 cr
<p>BIOL 316 Functional Human Anatomy Studies human anatomy as it pertains to human motion, with respect to anatomical and musculoskeletal fundamentals. Includes a review of anatomy with emphasis on the function of joints and muscles as they relate to normal human movement. Prerequisite: BIOL 100 or BIOL 150</p>	3 cr	<p>BIOL 332H Honors: Bryology and Lichenology Provides skills in identification and knowledge of taxonomy, biology and ecology of bryophytes (mosses, liverworts, hornworts) and macrolichens, with focus on the taxa found in northeastern North America. Students will gain experience identifying these groups using hand-lenses and microscopes, dissections, and chemical testing, and will learn techniques for preparing a personal reference collection and specimens for museum-vouchered collections. Required laboratory; lab mostly outdoors. Prerequisite: BIOL 160 or BIOL 235 Attributes: Honors Program (HONR)</p>	4 cr
<p>BIOL 317 Advanced Genetics Studies selected topics in the field of genetics. Emphasizes the genetic mechanism as well as how this enables us to understand how genetics fits into the growing field of biology as well as its impact upon society. Prerequisite: BIOL 240</p>	3 cr	<p>BIOL 334 Field Botany Provides skills in plant identification through extensive fieldwork and study of live and pressed specimens. Emphasis on use of keys and associated terminology, exposure to the major vascular plant groups of northeastern North America, and practice identifying unknown plants. Students will learn about identification, morphology, ecology, taxonomy, and nomenclature of large taxonomic groups such as Poaceae (grasses) and Asteraceae (aster family). Required laboratory; labs mostly outdoors. Prerequisite: BIOL 160 or BIOL 235</p>	4 cr
<p>BIOL 320 Microbiology Investigates prokaryotic and viral microbes with emphasis on both general and clinical applications. Major topics covered are taxonomy, anatomy, morphology, reproduction and growth, bacterial control, pathogenicity, genetics and genetic engineering. Extensive laboratory protocol is provided. Required laboratory. Prerequisite: BIOL 240 Attributes: Environmental Studies (ENVI)</p>	4 cr	<p>BIOL 340 Developmental Biology 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</p>	4 cr
<p>BIOL 324 Marine Biology 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. Prerequisite: BIOL 160 Attributes: Environmental Studies (ENVI)</p>	3 cr	<p>BIOL 341 Conservation Biology 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. Prerequisite: BIOL 160 or ENVI 150 or ENVI 150H Attributes: Environmental Studies (ENVI)</p>	3 cr
<p>BIOL 327 Plants and Society 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. Prerequisite: Junior/senior status Attributes: Environmental Studies (ENVI)</p>	3 cr	<p>BIOL 342 Anatomy and Physiology I 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</p>	4 cr
<p>BIOL 327H Honors: Plants and Society 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. Prerequisite: Sophomore/junior/senior status Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>	3 cr	<p>BIOL 343 Anatomy and Physiology II 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</p>	4 cr

<p>BIOL 351 Ornithology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150 or ENVI 150 or ENVI 150H</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>BIOL 390 Biometry 3 cr</p> <p>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.</p> <p>Prerequisite: Junior status and MATH 150, or MATH 220, or MATH 232</p>
<p>BIOL 353 Entomology 4 cr</p> <p>Prepares students to confidently key specimens of New England insects and other relevant taxa to the family, genus or species level. Students will gain extensive practice in examining insects and other relevant invertebrates using hand-lenses and microscopes, as well as identifying live and preserve specimens using dichotomous keys and associated terminology. Students will learn techniques for assembling a personal reference collection and preparing specimens for museum-vouchered collections. Required laboratory.</p> <p>Prerequisite: BIOL 160</p>	<p>BIOL 395 Special Topics in Biology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the advanced level.</p> <p>Prerequisite: Will vary depending on the course</p> <p>Repeatable: Unlimited Credits</p>
<p>BIOL 354 Ecology 4 cr</p> <p>Investigates community and ecosystem structure and function, energy transformation, matter cycling, abiotic factors, food webs, symbiosis and populations. Required laboratory.</p> <p>Prerequisite: BIOL 160 or ENVI 150 or ENVI 150H</p>	<p>BIOL 403 Applied Nutrition 3 cr</p> <p>Explores current issues and topics of interest in nutrition, including but not limited to athletic performance, human development, human disease and nutritional therapy, with focus on primary literature.</p> <p>Prerequisite: BIOL 250, junior/senior status</p>
<p>BIOL 360 Biochemistry 3 cr</p> <p>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.</p> <p>Prerequisite: CHEM 201</p>	<p>BIOL 405 Animal Physiology 4 cr</p> <p>Explores structure and function of major animal organ systems, addressing mechanisms for maintaining homeostasis and body functions. Both vertebrate and invertebrate examples will be used, and experimentation and primary literature will be emphasized. Required laboratory.</p> <p>Prerequisite: BIOL 160, junior/senior status</p>
<p>BIOL 361 Advanced Biochemistry 3 cr</p> <p>Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization.</p> <p>Prerequisite: BIOL 360</p>	<p>BIOL 410 Biotechniques 4 cr</p> <p>Explores major techniques in the fields of biochemistry, cellular biology and molecular biology. This course is designed to be completely laboratory based.</p> <p>Prerequisite: BIOL 160, BIOL 240, junior/senior status</p>
<p>BIOL 361H Honors: Advanced Biochemistry 3 cr</p> <p>Studies the chemical dynamics in living systems. Topics include enzymes mechanisms, metabolism and its regulation, and energy production and utilization.</p> <p>Prerequisite: BIOL 360</p> <p>Attributes: Honors Program (HONR)</p>	<p>BIOL 412 Research Methods in Epidemiology 3 cr</p> <p>Introduces the student to research methods in the field of epidemiology. Students will learn the value of research methodology as applied to the field of epidemiology with a focus on concepts and interpretation of basic research design and statistical analysis.</p> <p>Prerequisite: BIOL 312 and junior/senior status</p>
<p>BIOL 375 Aquatic Ecology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150 or ENVI 150H</p>	<p>BIOL 418 Parasitology 4 cr</p> <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> <p>Prerequisite: BIOL 150 and junior/senior status</p>
<p>BIOL 380 Evolution 3 cr</p> <p>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.</p> <p>Prerequisite: BIOL 240</p>	<p>BIOL 420 Bioinformatics 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 243, BIOL 240, junior/senior status</p>
	<p>BIOL 424 Field Study in Marine Biology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 324, instructor approval, and junior/senior status</p> <p>Attributes: Additional Fees Apply (FEE)</p>

<p>BIOL 440 Exercise Physiology 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 343 and junior/senior status</p>	<p>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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 445 Pathophysiology 3 cr Provides an in-depth survey of physiological causes and pathological development of diseases that affect various organ systems in the body. Pathologies will be examined at the molecular, cellular, tissue and organ levels, with emphasis on the homeostatic disturbances that lead to disease conditions. Current research insights relating to disease states will be addressed throughout the course. Prerequisite: BIOL 343</p>	<p>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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 450 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 160, BIOL 240, junior/senior status</p>	<p>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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 475 Special Topics in Biology 1-4 cr Provides students with an opportunity to explore different topics and current issues in the field of biology. This course is designed to focus on biological issues at the high advanced level. Prerequisite: Will vary depending on the course Repeatable: Unlimited Credits</p>	<p>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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 480 Cell & Molecular Biology 4 cr Examines the pioneering research in eukaryotic cell and molecular biology. Topics covered include structure and function of organelles, membrane dynamics, intracellular targeting, metabolism, eukaryotic replication, transcription, and translation, and applications to biotechnology. The required laboratory component emphasizes current cell and molecular techniques. Prerequisite: BIOL 240 and junior/senior status</p>	<p>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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 484 Biomechanics 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 or BIOL 342 and junior/senior status</p>	<p>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. Tech. Clinical Lab Experience. Prerequisite: Department approval, requires acceptance and enrollment in MCLA-BMC Med</p>
<p>BIOL 491 BMC: Clinical Chemistry 8 cr Introduces the student to the physiology of the organ systems 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</p>	

<p>BIOL 499 Teaching Assistant in Biology 1-3 cr Provides the opportunity for a student to assist in the preparation and implementation of a biology course. Prerequisite: Department approval Repeatable: Maximum of 6 credits</p> <p>BIOL 500 Biology Independent Study 1-3 cr Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required. Prerequisite: Junior/senior status, department approval Repeatable: Maximum of 12 credits</p> <p>BIOL 510 Biology Independent Research 1-3 cr For biology majors who desire to conduct research on a specific topic in biology. The research will be under the direction of the instructor and will require a scholarly report. Prerequisite: Department approval Repeatable: Maximum of 15 credits</p> <p>BIOL 540 Biology Internship 1-15 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 Repeatable: Maximum of 15 credits</p>	<p>BADM 224 Financial Accounting 3 cr Introduces basic principles and methods used to develop financial statements and throughout the accounting cycle. Introduces ethical issues in accounting and requires students to conduct financial analysis and translate raw data into useful information for decision making. Spreadsheet and word processing software are used in the analysis of financial information. Prerequisite: BADM 110</p> <p>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. Spreadsheet and word-processing software are used in the analysis of managerial accounting information.</p> <p>BADM 240 Issues in Event and Sport Management 3 cr Provides students with an overview of the basic issues in managing events in business, cultural 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.</p> <p>BADM 260 Management 3 cr Explores the managerial roles of leading, planning, organizing, and controlling in modern organizations. 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. Attributes: Leadership Minor (LDRS)</p> <p>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 to explore the marketing practices of today's organizations and learn real world applications of marketing theory.</p> <p>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 Repeatable: Unlimited Credits</p> <p>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</p> <p>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</p>
--	---

Business Administration (BADM)

<p>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. Prerequisite: Open to all except junior/senior Business Administration majors Attributes: Core Self & Society (CSS)</p> <p>BADM 110 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 communications.</p> <p>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</p> <p>BADM 206 Math Methods in Business and Economics 3 cr Focuses on the application of common mathematical models and elementary functions to problems in the business world. The following topics are presented with emphasis on applications in business, economics, and finance: linear, polynomial, rational, exponential and logarithmic functions, along with differentiation, integration, and optimization. Other applicable topics include computations of simple and compound interest, and loans. Prerequisite: ECON 142, MATH 232</p>	<p>BADM 224 Financial Accounting 3 cr Introduces basic principles and methods used to develop financial statements and throughout the accounting cycle. Introduces ethical issues in accounting and requires students to conduct financial analysis and translate raw data into useful information for decision making. Spreadsheet and word processing software are used in the analysis of financial information. Prerequisite: BADM 110</p> <p>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. Spreadsheet and word-processing software are used in the analysis of managerial accounting information.</p> <p>BADM 240 Issues in Event and Sport Management 3 cr Provides students with an overview of the basic issues in managing events in business, cultural 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.</p> <p>BADM 260 Management 3 cr Explores the managerial roles of leading, planning, organizing, and controlling in modern organizations. 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. Attributes: Leadership Minor (LDRS)</p> <p>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 to explore the marketing practices of today's organizations and learn real world applications of marketing theory.</p> <p>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 Repeatable: Unlimited Credits</p> <p>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</p> <p>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</p>
---	---

- BADM 310 Advanced Information Systems** 3 cr
Provides an in-depth study of the business information technology application. Students will learn to use the advanced functions found in word processing, spreadsheet, and database applications found within the business environment.
Prerequisite: BADM 110
- 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 325 International Business** 3 cr
Studies the manager's perspective in the fields of international trade and investment, balance of payments, international financial markets and monetary systems, national trade policy and laws. The course also addresses cultural variables in business, and examines how each of a number of basic management activities must be dealt with differently in the international environment than in a purely domestic setting.
Prerequisite: BADM 260, ECON 141
- 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 342 Legal and Social Environment of Business** 3 cr
Focuses on legal and social issues in the workplace including, but not limited to: diversity, inclusion interpersonal conflict communication issues, harassment, and job performance. Current events, the Constitution, statutes, adjudicated cases and ethical principles will be used to illustrate the history, philosophy, structure, processes, and controls of state and federal regulatory systems over economic, social and individual activities.
Prerequisite: 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 346 Athletics Administration** 3 cr
Provides an overview of the operation of athletic programs in business and educational environments. Emphasis is placed on a practical working knowledge of administration as it relates to athletes. Policies and procedures as they pertain to budget, facilities, governance, eligibility, operations and management, human resources, contests, and other pertinent forces dealing with athletic opportunities in interscholastic athletics, as well as private athletic enterprises.
Prerequisite: Junior status
- BADM 361 Organizational Behavior** 3 cr
Explores the study of group behavior in various organizational settings through the study of organizational theories of structure, culture motivation, communication and group dynamics. Cases and/or group activities are used to illustrate the application of theory to actual organizational scenarios.
Prerequisite: Junior status
Attributes: Leadership Minor (LDRS)
- 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 managerial processes for effective operations in both goods-producing and service oriented organizations. Topics include operations strategy, process selections and design, capacity planning, facilities locations and design, forecasting, supply chain management, production scheduling, inventory control, quality assurance, just-in-time, and project management. The topics are integrated using a systems model of the operations of an organization. Excel is used extensively.
Prerequisite: BADM 110, MATH 232, BADM 260
- BADM 365 Labor and Labor Law** 3 cr
Provides an understanding of labor laws and their evolution, unions and their operations, and the nature of the union-management relationship. Utilizes case decisions to illustrate the collective bargaining process.
Prerequisite: Completion of Tier II Human Heritage

<p>BADM 366 Team Facilitation 3 cr</p> <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.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Leadership Minor (LDRS)</p>	<p>BADM 387 Service and Event Marketing 3 cr</p> <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> <p>Prerequisite: BADM 270</p>
<p>BADM 367 Small Business Entrepreneurship 3 cr</p> <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> <p>Prerequisite: Junior status</p>	<p>BADM 390 Managing Workplace Diversity 3 cr</p> <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.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Leadership Minor (LDRS), Women Gender Sexuality Studies (WMST)</p>
<p>BADM 380 Strategic Marketing 3 cr</p> <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> <p>Prerequisite: BADM 270</p>	<p>BADM 395 Accounting for Entrepreneurs 3 cr</p> <p>Explores the advantages and disadvantages of various organizational structures and tax issues as they relate to entrepreneurs. Students will be introduced to basic financial and managerial accounting concepts, taxation, funding sources, budgeting, and general ledger software.</p> <p>Prerequisite: ENTR 210</p>
<p>BADM 381 Consumer Behavior 3 cr</p> <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> <p>Prerequisite: BADM 270</p>	<p>BADM 405 Contemporary Business and Organizational Issues 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 260, BADM 270</p> <p>Attributes: Leadership Minor (LDRS)</p>
<p>BADM 382 Marketing Research 3 cr</p> <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> <p>Prerequisite: BADM 270, ECON 316</p>	<p>BADM 415 Global Supply Chain Management 3 cr</p> <p>Focuses on the theoretical and practical foundations of understanding and managing global supply chain logistics. The course emphasizes the foundations and core principles of logistics and supply chain management from domestic and global perspectives, paying particular attention to organizational, strategic and operational issues. In this interdisciplinary course, students will gain a multi-faceted perspective on the broad critical themes of logistics and supply chain management.</p> <p>Prerequisite: BADM 260, ECON 316</p>
<p>BADM 384 Marketing Communications 3 cr</p> <p>Approaches the subject from an integrated marketing communications perspective. Examines advertising, publicity, sales promotions, 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.</p> <p>Prerequisite: BADM 270</p> <p>Attributes: Leadership Minor (LDRS)</p>	<p>BADM 420 Business Resource Center 3 cr</p> <p>Offers students an opportunity to provide consulting services to area firms.</p> <p>Prerequisite: Junior status, 2.5 GPA</p>
<p>BADM 385 Global Marketing 3 cr</p> <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> <p>Prerequisite: BADM 270</p>	<p>BADM 421 Advanced Financial Reporting 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 322</p>
<p>BADM 386 Sport Marketing 3 cr</p> <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> <p>Prerequisite: BADM 270</p>	<p>BADM 423 Auditing 3 cr</p> <p>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.</p> <p>Prerequisite: BADM 321</p>

BADM 435 Federal Taxation - Entities

3 cr

Studies federal income tax laws for C corporations, S corporations, partnerships, trusts, and estates and more complex personal income taxes. Students will prepare entity tax returns, perform basic tax planning and research publicly available federal tax information from the Internet.

Prerequisite: BADM 335

BADM 440 Advanced Leadership

3 cr

Examines various topics in leadership studies, both current and historical. Emphasis will be placed on exploring and developing the student's personal leadership philosophy, style, and approach. Possible topics could include operational, strategic, and ethical considerations within today's dynamic social, corporate, and non-profit environment.

Prerequisite: Junior status

BADM 440H Honors: Advanced Leadership

3 cr

Examines various topics in leadership studies, both current and historical. Emphasis will be placed on exploring and developing the student's personal leadership philosophy, style, and approach. Possible topics could include operational, strategic, and ethical considerations within today's dynamic social, corporate, and non-profit environment. Additional research component will be required of students taking this course for honors credit.

Prerequisite: Junior status

Attributes: Honors Program (HONR)

BADM 441 Managerial Finance

3 cr

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

Prerequisite: BADM 340

BADM 475 Seminar in Event and Sport Management

3 cr

Examines existing policies and development of suggested policies for the management of events and sport organizations. Uses case studies and current issues in event and sport management to develop critical decision-making capabilities. Serves as a capstone course for the concentration, integrating knowledge from the major, concentration, and other undergraduate experiences and its application to those current issues.

Prerequisite: BADM 240 and either a) BADM 387 & ECON 377 or b) BADM 345 & BADM 386

BADM 490 Special Topics in Business Administration

3 cr

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

Prerequisite: Junior status

Repeatable: Unlimited Credits

BADM 500 Independent Study in Business

1-3 cr

Open to juniors and seniors who wish to study a topic in depth. Final reports and frequent conferences with the advisor are required.

Enrollment requires individual application and department approval.

Prerequisite: Junior status

Repeatable: Maximum of 12 credits

BADM 510 Seminar in Business Policy

3 cr

Examines, as a capstone course, a range of topics of current importance in all functional areas of business. All departmental foundation courses must be completed before enrolling in this course.

Prerequisite: Senior status, BADM 340

BADM 540 Internship in Business

1-15 cr

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

Prerequisite: Junior status, 2.5 GPA

Repeatable: Maximum of 15 credits

BADM 550 Accounting Internship

1-15 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

Repeatable: Maximum of 15 credits

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.

Prerequisite: Junior status and completion of all Tier I and Tier II requirements

Attributes: Capstone Experience Tier III (CAP)

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

CHEM 152 Introduction to Chemistry II

4 cr

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

Prerequisite: CHEM 150

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

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

<p>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</p>	<p>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</p>
<p>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</p>	<p>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</p>
<p>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</p>	<p>CHEM 420 Special Topics in Chemistry 1-4 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 Repeatable: Unlimited Credits</p>
<p>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 Corequisite: CHEM 401</p>	<p>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</p>
<p>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</p>	<p>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 Repeatable: Unlimited Credits</p>
<p>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</p>	<p>CHEM 500 Independent Study in Chemistry 1-3 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 Repeatable: Maximum of 12 credits</p>
<p>CHEM 395 Special Topics in Chemistry 1-4 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 Repeatable: Unlimited Credits</p>	<p>CHEM 540 Internship in Chemistry 1-15 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 Repeatable: Maximum of 15 credits</p>
<p>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 Corequisite: CHEM 302</p>	

Communications (COMM)

<p>COMM 200 Communication Research and Methods 3 cr</p> <p>Develops knowledge about the role of communication research in academic and professional disciplines, preparing students to better analyze data and critically engage with research findings. It introduces quantitative, qualitative, and combined communication research methods so students can begin primary research of their own.</p>	<p>COMM 220 Media Theories 3 cr</p> <p>Examines the key themes among media theories and how they help explain important aspects of modern and postmodern society, including political, social, and cultural life, means of communication, and the changes between audiences and media institutions in the digital world. Students will learn about media effects, medium theory, symbolic interactionism and structuration, political economy, critical theory, feminism and gender studies, and postmodernity and the information society.</p>
<p>COMM 201 Media Writing and Production 3 cr</p> <p>Introduces students to multiple ways of storytelling through various types of writing and working with audio, video, and interactive media. Students become familiar with audio and video recording and editing, as well as producing stories for the Web. Introduces script writing and storyboarding as part of an overall emphasis on clear and engaging writing within creative writing and journalistic frameworks.</p>	<p>COMM 239 Writing and Reporting the News I 3 cr</p> <p>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.</p>
<p>COMM 204 Media Self-Identity & Society 3 cr</p> <p>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 and theories that explore identity through analyzing meanings in media and social/cultural texts. It questions how these develop across history and questions identity in everyday common sense discourse and its relationships to media and society at local and global levels.</p> <p>Attributes: Core Self & Society (CSS)</p>	<p>COMM 281 Special Topics in Communications 3 cr</p> <p>Studies introductory topics in media production and/or mass communications. Designed to provide foundational frameworks in communication subjects, including but not limited to media analysis, interpretation, research, media production, and media-specific writing. Content identified by subtitle.</p>
<p>COMM 205 Introduction to Photography 3 cr</p> <p>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.</p>	<p>COMM 305 Magazine Writing and Editing 3 cr</p> <p>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.</p> <p>Prerequisite: COMM 239</p>
<p>COMM 211 Introduction to Mass Media 3 cr</p> <p>Surveys the range of types of communication, focusing on the context of mediated mass media and their characteristics, history, evolution and the socio-cultural forces that shape them including newspapers, magazines, film, radio, television and the Internet.</p>	<p>COMM 306 Business Writing and Presentation 3 cr</p> <p>Provides practice in writing strong, clear, and creative business communication.</p>
<p>COMM 212 Audio Production 3 cr</p> <p>Introduces students to the recording and editing practices involved in producing audio stories. Explores the range of programming, both live and recorded, for an FCC-licensed non-commercial radio station. Includes news, music shows, interviews and sports. Students produce live and recorded shows for WJJW, MCLA's radio station. Adobe Audition is used for digital recording and editing.</p>	<p>COMM 309 Technical Writing 3 cr</p> <p>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. .</p>
<p>COMM 214 Basic TV Production: Theory and Practice 3 cr</p> <p>Examines how digital video and audio and writing help produce effective storytelling in television production. Develops theoretical and practical knowledge of television production in both studio and in-the-field settings while also considering the audience. Students work on individual and group projects that include basic level introduction to cameras, audio, Avid editing, control room technologies and studio protocols.</p>	<p>COMM 310 Avid Editing 3 cr</p> <p>Learning basic video and audio editing, this course teaches students the fundamental skills of Avid Media Composer and knowledge about networked server-systems. The course also grounds students in understanding the editing software; learning about inputting media, trimming, the smart tool, customization; and organization as well as examining the crucial area of sound in significant detail. Special effects along with titles and color correction are also examined.</p> <p>Prerequisite: COMM 214</p>
	<p>COMM 312 Radio Practicum 1-6 cr</p> <p>Teaches the daily operation of an FCC-licensed non-commercial educational radio station, WJJW, 91.1 FM. Topics include compliance with FCC regulations, digital streaming copyright, use of Adobe Audition for advanced audio recording and editing, producing live and recorded shows for broadcast, and producing news and interview shows and podcasts. A weekly live on-air shift is part of the class requirements. Students may assume management positions at WJJW. Repeatable for a max of 15 credits.</p> <p>Repeatable: Maximum of 15 credits</p>

- COMM 314 Advanced TV Production: Theory and Practice** 3 cr
Develops advanced understanding about written, video and audio communicative elements in either broadcasting or documentary forms via practical and theoretical applications of television production. Via group work in the studio and in-the-field projects, specialized attention to program form facilitates understanding about different journalism and storytelling practices. Students write stories at more advanced level and use technologies that are more complex in filming, editing and studio work.
Prerequisite: COMM 214
- COMM 315 Social Media Strategies** 3 cr
Gives students a broad-based understanding of the fundamental trends and dynamics taking place in the digital media landscape today. Students learn about new measurement metrics, how to conduct social media campaigns, and are able to practice skills that they can use when working in a range of organizations that utilize digital and social media. Guest speakers from the industry are invited, and we work with real-world clients that want to have strategic media campaigns.
- COMM 316 Broadcast Delivery** 3 cr
Focuses on the analysis and development of techniques and skills needed for performance of news, commercials, editorials and live reporting. Also emphasizes voice quality, diction and presentational skills and culminates in the production of professional audition videotapes.
- COMM 319 Global Issues in Communication** 3 cr
Studies in depth a specific aspect of global communication and provides the students a general knowledge of the geopolitical issues of international communication, including technological, economic and political/ideological patterns.
Prerequisite: COMM 211
Attributes: Cross-Cultural and Social Justice (CCSJ)
- COMM 321 News Media Practicum** 1-6 cr
Concentrates on writing, editing, and producing news stories in a convergent newsroom. Fills the junior staff position of the college newspaper to refine writing, design, and editing skills in print, video, audio, and online, as well as advertising sales and public relations for the Beacon. Repeatable for a max of 15 credits.
Prerequisite: COMM 239 and instructor approval
Repeatable: Maximum of 15 credits
- COMM 323 Publication Design and Typography** 3 cr
Studies contemporary layouts and design principles, with special emphasis on creating and integrating logos, content, typography and design for visually appealing communications packages. Includes basic typography and an overview of printing processes. Students create layouts for flyers, brochures, newsletters, newspapers, and magazines, and learn Adobe Illustrator, Photoshop, and InDesign.
- COMM 324 Broadcast Journalism** 3 cr
Emphasizes investigative reporting as it relates to gathering, writing and presenting news and documentary for television. Also examines the practical and theoretical concepts of electronic news gathering (ENG) and electronic field production (EFP) including analysis of broadcast journalism standards.
Prerequisite: COMM 214 and instructor approval
- COMM 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.
- COMM 337 Advanced Photography** 3 cr
Builds upon skills learned in Introduction to 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: COMM 205
- COMM 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: COMM 205
- COMM 339 Writing and Reporting the 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: COMM 239
- COMM 396 Public Relations** 3 cr
Introduces students to the broad career area of public relations. Principles, cases and problems of public relations will be studied through contact with local organizations. Topic areas include internal communications systems, applications of mass communications, researching public opinions and social responsibilities.
Prerequisite: COMM 239 or COMM 211
- COMM 400 Intercultural Communication** 3 cr
Studies in depth the role culture plays in the communication process in various world cultures including Africa, Asian and Central American. Also examines the cultural differences in language, thought patterns and non-verbal behaviors.
Prerequisite: Junior/senior status
Attributes: Cross-Cultural and Social Justice (CCSJ)
- COMM 405 Data Journalism & Infographics** 3 cr
Teaches how to do in-depth research with large datasets and how to find stories from numbers, crucial skills for today's journalists. Relevant statistical and computer-assisted reporting (CAR) techniques are learned and applied to stories, and software and apps are used to create powerful and meaningful data visualizations and infographics to accompany stories. Previous experience with statistics and design or production software is helpful, but not necessary.
Prerequisite: COMM 239 and COMM 339
- COMM 410 From Semiotics to Significations** 3 cr
Develops knowledge about the field of semiotics from its inception to the contemporary practice of reading significations. Focusing upon reading signs/meanings across different media and culture, students learn about symbolic activities and different interpretative models and analytical approaches. These include: de Saussure, Peirce, Burke, Marx, Freud, Lacan, Irigaray, Gramsci, Laclau and Mouffe, Levi-Strauss, Barthes, Althusser, Foucault, Williams, Hall and Lash and Urry.

<p>COMM 415 Media Meaning-Making: Theory/Practice 3 cr</p> <p>Explores theory about genre and meaning-making practices across television. Focusing upon media history the course critically reviews transformations to television genres in drama, documentary, documentary-drama, comedy, news and reality TV. Concentrating on the development of genre the course examines how the nature of meanings have changed giving further attention to animation, popular entertainment forms like soap operas and video on demand.</p> <p>Prerequisite: COMM 211 and junior/senior status</p>	<p>COMM 540 Internship in Communications 1-15 cr</p> <p>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.</p> <p>Prerequisite: Department approval and junior/senior status</p> <p>Repeatable: Maximum of 15 credits</p>
Computer Science (CSCI)	
<p>COMM 420 Public Relations and Crisis Management 3 cr</p> <p>Provides an in-depth look into the Public Relations area of crisis management. Through case-book studies, other texts, and media portrayals, students will learn how communications experts conduct themselves in critical situations, and the ethical and other considerations involved. Students will conduct extensive research into the area in order to enhance their own knowledge of the subject.</p> <p>Prerequisite: COMM 211</p>	<p>CSCI 101 First Year Computer Science Seminar 3 cr</p> <p>Introduces students to the skills needed to navigate the computer science concentrations. In addition, Computer Science majors are introduced to various topics used throughout the curriculum. Topics include computer hardware, operating systems, file types, protocols, and networking.</p>
<p>COMM 427 Senior News Media Practicum 3-12 cr</p> <p>Focuses on editorial and management roles of the campus newspaper in a convergent newsroom, 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 and its online properties for the purpose of expanding skills in team management and producing news.</p> <p>Prerequisite: COMM 321 and instructor approval</p> <p>Repeatable: Maximum of 12 credits</p>	<p>CSCI 110 Electrical Engineering Principles 3 cr</p> <p>Provides students with an understanding of topics in the CSCI Electrical Engineering Concentration, and reinforces students' problem-solving skills using foundational tools from mathematics and physics. Topics include conversion of units, linear equations, complex numbers, vectors, and wave functions, at the instructor's discretion.</p>
<p>COMM 481 Advanced Special Topics in Communications 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status</p>	<p>CSCI 121 Programming in Java I 3 cr</p> <p>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.</p>
<p>COMM 490 Senior Seminar 3 cr</p> <p>Provides a departmental 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 communication and media, and together the students, polling their special knowledge in these areas, respond to the specific theme, concept, or topic.</p> <p>Prerequisite: Communication major</p>	<p>CSCI 122 Programming in Java II 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 121</p>
<p>COMM 493 Teaching Assistantship in Communications 1-3 cr</p> <p>Provides the opportunity for a student to assist in preparation and implementation of a communications course. Course may be repeated for a total of 6 credits.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 6 credits</p>	<p>CSCI 208 Graphics I 3 cr</p> <p>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.</p>
<p>COMM 500 Independent Study 3 cr</p> <p>Open to juniors and seniors who wish to read in a given area or to study a topic in depth within the fields of communications, media writing and production, or media and cultural studies. Written reports and frequent conferences with the advisor are required.</p> <p>Prerequisite: Department approval and junior/senior status</p> <p>Repeatable: Maximum of 12 credits</p>	<p>CSCI 210 Networking Theory and Administration I 3 cr</p> <p>Introduces students to topics in networking theory such as protocols, protocol stacks, encryption and security. Basic network troubleshooting and administration will also be covered.</p>
	<p>CSCI 211 Networking Theory and Administration II 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 210</p>
	<p>CSCI 221 Programming in Java III 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 122</p>

CSCI 222 Programming in Java IV	3 cr	CSCI 288 Web Page Design	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		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.	
CSCI 235 Digital Circuit Design	3 cr	CSCI 302 Computer Triage	3 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.		Intended for computer science majors. Topics include: troubleshooting, problem solving and maintaining network hardware and software. Prerequisite: CSCI 101	
CSCI 236 Web Development	3 cr	CSCI 308 Graphics II	3 cr
Emphasizes the client side tools and techniques used to develop web applications. Topics include Java Script, 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.		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 240 Introduction to Robotics	3 cr	CSCI 318 Computer Organization and Assembly Language	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.		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 243 Database Development	3 cr	CSCI 328 Object Oriented Design	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.		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 122	
CSCI 246 Programming in C#	3 cr	CSCI 330 Programming in C++	3 cr
Introduces the concepts of program development using the C# programming language. This course focuses on an introduction to the Visual Studio development environment, simple variables, control structures, and an introduction to object-oriented concepts.		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 121	
CSCI 247 Introductory Topics in Computing	3 cr	CSCI 332 Systems Analysis and Design	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. Repeatable: Unlimited Credits		Introduces the students to Systems Analysis and Design. This is a hands-on course in which students learn and apply information gathering techniques, systems analysis techniques, systems design techniques and process, as well as systems implementation. Working as teams, students will analyze, design, and develop portions of a computer based information system. Prerequisite: CSCI 243	
CSCI 248 Programming in C# II	3 cr	CSCI 336 Advanced Web Development	3 cr
Continues the study of program development using the C# programming language. Intended for business information majors, this course focuses on advanced C# concepts including structured variables, additional control structures, object creation, code reuse and dynamic storage allocation. Prerequisite: CSCI 246		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 271 Electric Circuit Design I	3 cr		
Analysis of electrical networks incorporating passive elements. Topics include Ohm's Law, Kirchhoff' Laws, and techniques of circuit analysis. Prerequisite: CSCI 110			
CSCI 272 Electric Circuit Design II	3 cr		
Continues passive circuit elements and introduces the students to active components. Topics include Bipolar Junction Transistors, forced response of linear circuits, Operational Amplifiers, and biasing. Prerequisite: CSCI 271			

<p>CSCI 340 Robotics Development 3 cr</p> <p>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. This course may be repeated for a maximum of 9 credits.</p> <p>Prerequisite: CSCI 122, or CSCI 235, or CSCI 240, or PHYS 251</p> <p>Repeatable: Maximum of 9 credits</p>	<p>CSCI 361 Data Structures and Algorithms 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 122</p>
<p>CSCI 343 Full Stack Development 3 cr</p> <p>Focuses on the development of web-based applications. This course merges the concepts learned in Web Development and Database Development to form traditional persistent multi-tiered web-based systems.</p> <p>Prerequisite: CSCI 121, CSCI 236, CSCI 243</p>	<p>CSCI 362 Operating Systems 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 361</p>
<p>CSCI 346 Programming in Visual Studio 3 cr</p> <p>Applies programming concepts to the languages found in the Visual Studio programming environment. This course is intended for students who have studied another programming language. Topics include syntax, data structures, graphics and GUI applications in a Windows environment.</p> <p>Prerequisite: CSCI 121 or CSCI 246</p>	<p>CSCI 363 Network Security II 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 360</p>
<p>CSCI 347 Intermediate Topics in Computing 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Unlimited Credits</p>	<p>CSCI 371 Advanced Circuit Design 3 cr</p> <p>Continues the study of circuit design. Covers topics including linear power converters, Field Effect Transistors, switching converters, charge pumps, and Pulse Width Modulation.</p> <p>Prerequisite: CSCI 272</p>
<p>CSCI 350 Introduction to Parallel Computing 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 122</p>	<p>CSCI 373 Electronic Fabrication 3 cr</p> <p>Introduces the student to the many skills that are required to create new electronic devices. Topics include soldering, enclosure design, circuit board design, mounting, and physical interfaces.</p> <p>Prerequisite: CSCI 371</p>
<p>CSCI 352 Business Information Systems 3 cr</p> <p>Provides an examination of business information systems that apply to all strata of organizations. The course will view organizations as information systems and demonstrate how computers are integrated in these organizations. Students will engage in service learning projects and gain practical experience off-campus, solving real problems for various companies.</p> <p>Prerequisite: CSCI 332</p>	<p>CSCI 374 Control Systems 3 cr</p> <p>Teaches the fundamentals of control systems. Topics include proportional controllers, PID controllers, and noise.</p> <p>Prerequisite: MATH 320</p>
<p>CSCI 360 Network Security I 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 210</p>	<p>CSCI 390 Junior Seminar 1 cr</p> <p>Ensures that students are prepared for their senior year of study in Computer Science. 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.</p> <p>Prerequisite: Computer Science junior status</p>
	<p>CSCI 408 Graphics III 3 cr</p> <p>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.</p> <p>Prerequisite: CSCI 308</p>
	<p>CSCI 420 Bioinformatics 3 cr</p> <p>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 computer.</p> <p>Prerequisite: CSCI 243, BIOL 240 and junior/senior status</p>

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

Repeatable: Maximum of 6 credits

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

Repeatable: Unlimited Credits

CSCI 452 Software Engineering 3 cr

Prepares students for work in industry. This course introduces students to modern tools and approaches that will allow them to design professional quality software.

Prerequisite: CSCI 343, CSCI 390

CSCI 461 Senior Project 3 cr

Applying skills and knowledge developed as part of their computer science concentration, students plan, design, develop, deliver, and present a substantial professional quality project of their choosing. Over the course of the semester, students will work closely with a faculty advisor during all stages of their project development.

Prerequisite: Computer Science senior status

CSCI 462 Senior Seminar 1 cr

Prepares students for their final semester and employment thereafter in the following ways: It is writing intensive, and it prepares students for the job search process through the development of their resumes, learning portfolio, job search strategy, and interviewing skills.

Prerequisite: Computer Science senior status

CSCI 475 Communication Systems 3 cr

Introduces the students to the design and analysis of electronic communications equipment. Topics include communication of information over noisy channels. Amplitude, phase, and frequency modulation. Random process and analysis of communication systems in noise, and elements of digital communication systems.

Prerequisite: MATH 320

CSCI 500 Independent Study 1-3 cr

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

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

CSCI 540 Internship in Computer Science 3-12 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

Repeatable: Maximum of 15 credits

Computing & Communications (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.

Creative Arts (CCCA)

CCCA 101 Creative Arts: Methods and History 3 cr

What are the creative arts? How are they made, by whom and why? What are some major examples of the arts? The course will attempt to answer these questions through an interdisciplinary study of the eight arts (pictures, sculpture, music, theatre, film, dance, architecture and literature) and their relation to society in the past, in the present and in the varieties of world civilizations.

Attributes: Core Creative Arts (CCA)

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.

Attributes: Core Creative Arts (CCA)

CCCA 110 Topics in Creative Arts 3 cr

Examines fundamental concepts regarding the relationship of the individual to the creative arts. Topics will vary by semester and be identified by subtitle.

Attributes: Core Creative Arts (CCA)

Repeatable: Unlimited Credits

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.

Attributes: Core Creative Arts (CCA), Environmental Studies (ENVI)

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.

Attributes: Core Creative Arts (CCA)

CCCA 205 Popular Hollywood Films: 1950s 3 cr

Uses the basic concepts and insights of the creative arts to examine the ways in 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.

Attributes: Core Creative Arts (CCA)

CCCA 206 Rumi's Vision

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.

Attributes: Core Creative Arts (CCA)

3 cr**CCCA 207 Children's Literature: A Lively Art**

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.

Attributes: Child & Family Studies Minor (C&FS), Core Creative Arts (CCA)

3 cr**CCCA 209 Contemporary American Poetry and The Times**

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.

Attributes: Core Creative Arts (CCA)

3 cr

Dance (DANC)

DANC 100 Introduction to Dance

Introduces students to the basics of ballet and modern dance technique, as well as offer an overview of the history of those genres.

Attributes: Core Creative Arts (CCA)

3 cr**DANC 200 Intermediate Dance**

Builds upon the basics of ballet and modern dance technique covered in Dance 100 Introduction to Dance as well as explores some of the important teachers, dancers, choreographers and works of those two genres.

Prerequisite: DANC 100

3 cr**DANC 300 Dance Project**

Allows students to create an individual project in dance, research, production, choreography, education, or topics in dance management that serve to deepen knowledge, experience in and exposure to dance. May be repeated for a maximum of 3 credits.

Prerequisite: Junior/senior status

Repeatable: Maximum of 3 credits

1-3 cr**DANC 310 Topics in Dance Technique**

Students will explore different techniques, periods and contexts of dance. Varies by topic. May include ballet, jazz, hip hop, African, Irish, folk, etc.

Prerequisite: DANC 200

3 cr

Earth Science (ERTH)

ERTH 151 Introduction to Physical Geography

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

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

4 cr**ERTH 152 Introduction to Physical Geology**

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

4 cr**ERTH 245 Natural Hazards**

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.

Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)

3 cr**ERTH 270 Weather and Climate**

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.

Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)

3 cr**ERTH 271 Landforms**

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. Required laboratory

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

4 cr**ERTH 300 Topics in Physical Geography**

Analyzes and evaluates selected contemporary problems in Earth Science.

Prerequisite: EARTH 151 or EARTH 152 or EARTH 245

Attributes: Environmental Studies (ENVI)

Repeatable: Unlimited Credits

1-4 cr**ERTH 310 Glacier Systems**

Studies glacier systems as environmentally significant landscape features; examines glacier hydrology, movement, erosional and depositional processes, glacier related landforms, and cold region landscapes. Pays particular attention to climate-glacier relationships and global warming.

Prerequisite: EARTH 151 or EARTH 152 or EARTH 271 and junior/senior status

3 cr**ERTH 312 Introduction to Soil Science**

Focuses on soil formation, glacial sediments, chemical and biological soil processes, and soil fertility. Topics of special interest will include sustainable agriculture and permaculture, environmental contaminants, deforestation and erosion, and wetlands. Required laboratory with emphasis on field work.

Prerequisite: ENVI 150H or EARTH 151 or EARTH 152

4 cr**ERTH 330 National Parks and Monuments**

Studies the topography, geology, climate, flora, fauna and scenic qualities of national parks and monuments by describing the history of the national park system and factors threatening its existence.

Prerequisite: Completion of Tier II Science and Technology Requirement

Attributes: Environmental Studies (ENVI)

3 cr

ERTH 370 River Systems

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.

Attributes: Environmental Studies (ENVI)

ERTH 500 Independent Study

1-3 cr

Independent effort directed to the in-depth study of some aspect of earth science.

Prerequisite: Department approval

Attributes: Environmental Studies (ENVI)

Repeatable: Maximum of 12 credits

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.

Attributes: Core Self & Society (CSS)

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.

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

Repeatable: Unlimited Credits

ECON 310 International Economics

3 cr

Introduces students to the basics of international trade and finance and the effects of various international economic policies on domestic and world welfare. The course will discuss, among other things, sources of comparative advantage, gains and losses from trade, and the impact of trade on economic growth. In addition, the course will expose students to topics on trade policy interventions such as tariffs, quotas and voluntary export restraints.

Prerequisite: ECON 141, ECON 316

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 150H or ENVI 152H or ECON 141 or ECON 142 and junior status

ECON 316 Statistics for Business and Economics

3 cr

Continues the statistical methodology developed in Introduction to Statistics (MATH 232). Topics include interval estimation, hypothesis testing, analysis of variance, correlation analysis, simple linear and multiple regression, nonparametric testing, and design of experiments with specific application to problems in business and economics. Students' development of analytical skills enhanced by use of statistical software.

Prerequisite: BADM 110, MATH 232

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: ECON 141

ECON 343 Managerial Economics

3 cr

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

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 350 Global Business and Economic Issues

3 cr

Examines globalization, economic, political, social, and ecological factors that shape the international market. Specific topics include financial market integration, case studies of individual countries, environmental issues, labor migration, integration across borders of the markets in goods and the factors of production and the consequences of these trends. Emphasis will be placed on the role of government policies in affecting economic outcomes and business conditions.

Prerequisite: ECON 141 and ECON 142

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

Repeatable: Unlimited Credits

ECON 500 Independent Study in Economics 1-3 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

Repeatable: Maximum of 12 credits

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 departmental personnel.

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

EDUC 151 Preschool Internship 3 cr

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

Prerequisite: 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 336 Reading in the Content Area 3 cr

Examines effective strategies to support middle school and secondary students' ability to use language to learn. In addition to reading and writing text, alternative modes of demonstrating learning will be explored. Technology will be included through online assignments. Reflection and professional growth are concurrent goals.

Prerequisite: Department approval

EDUC 338 Reading and Language Arts (ECHE/ELEM) 3 cr

Emphasizes an integrated, constructivist approach to teaching the language arts based on cognitive, psycholinguistic and sociolinguistic theories about how children learn language. Teaching strategies are introduced that help children learn to communicate effectively using listening, talking, reading and writing. Organizational patterns of instruction that emphasize literature, theme cycles and workshop approaches are explored.

Prerequisite: Department approval

EDUC 340 Field Placement I 2 cr

Acquaints each student with the contemporary setting of public schools. In this pre-practicum, students will be expected to be in a classroom for 48 hours. This will be the first experience in the schools for each education student. The on-campus component includes five seminar sessions. Students may be waived from hours in the school setting if appropriate documentation is provided but not from the seminars.

Prerequisite: CCSS 269, department approval and 2.5 overall GPA

Corequisite: EDUC 336 or 338 or EDUC 430

EDUC 341 Field Placement II ECHE/ELEM 2 cr

Requires that pre-service teachers will assume a broader variety of instructional responsibilities in an early childhood/elementary classroom. Students will be expected to be in a classroom for 48 hours. The on-campus component includes four seminar sessions. Students may be waived from hours in the school setting but not from seminars.

Prerequisite: CCSS 269, EDUC 340, department approval, 2.5 overall GPA, passing score on Communication/Literacy MTEL

Corequisite: EDUC 409 or EDUC 412

EDUC 342 Field Placement II 5-12 2 cr

Requires that pre-service teachers will assume a broader variety of instructional responsibilities in a middle or secondary level classroom. Students will be expected to be in a classroom for 48 hours. The on-campus component includes four seminar sessions. Students may 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

Corequisite: EDUC 414

EDUC 404 Sheltered English Instruction ECHE/ELEM 3 cr

Focuses on preparing undergraduate level ELEM and ECHE pre-service teachers to shelter academic content and English language instruction for ELLs. Topics include salient differences among ELLs; language structure; second language acquisition; and effective practices based on the SEI model. Students will learn to differentiate instruction for ELLs at different English proficiency levels, focusing on English Language arts, literacy skills, and academic vocabulary in various content areas.

Prerequisite: EDUC 338, department approval

<p>EDUC 405 Sheltered English Instruction MDSC/SECE 3 cr</p> <p>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.</p> <p>Prerequisite: EDUC 336, department approval</p>	<p>EDUC 460 Special Topics in Education 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Unlimited Credits</p>
<p>EDUC 409 Curriculum and Instruction ECHE 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>	<p>EDUC 473 Contemporary Educational Issues 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status, department approval</p>
<p>EDUC 412 Curriculum and Instruction ELEM 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>	<p>EDUC 500 Independent Study 1-3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status, department approval</p> <p>Repeatable: Maximum of 12 credits</p>
<p>EDUC 414 Curriculum and Instruction 5-12 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>	<p>EDUC 530 Student Teaching Practicum 5-12 9 cr</p> <p>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. This course is graded on a pass/fail basis.</p> <p>Prerequisite: Department approval, passing scores on all MTEs, grades of C or better in all licensure courses, and GPA of 2.8</p> <p>Corequisite: EDUC 581</p>
<p>EDUC 420 Classroom Management/Teaching Strategies (ECHE & ELEM) 3 cr</p> <p>Prepares one to design educational environments that support all learners and to see classrooms from the learner's 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.</p> <p>Prerequisite: Department approval</p>	<p>EDUC 535 Student Teaching Half Practicum 5-12 1-9 cr</p> <p>Provides the culminating field experience for teacher licensure. Students spend five half days per week in a school classroom. In the role of teacher, students 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 2 semester period of time. Student will register for 4 credits one semester and 5 credits the second. This course will be graded on a pass/fail basis.</p> <p>Prerequisite: Department approval, passing scores on all MTEs, grades of C or better in all licensure courses, GPA of 2.8</p> <p>Corequisite: EDUC 581</p> <p>Repeatable: Maximum of 9 credits</p>
<p>EDUC 422 Classroom Management/Teaching Strategies (MDSC/ SECE) 3 cr</p> <p>Prepares one to design educational environments that support all learners and to see classrooms from the learner's 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.</p> <p>Prerequisite: Department approval</p>	<p>EDUC 540 Education Internship 3-15 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status, department approval</p> <p>Repeatable: Maximum of 15 credits</p>
<p>EDUC 430 Teaching in an Inclusive Classroom 3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p>	

- EDUC 550 Student Teaching Practicum PK-K** 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. This course will be graded on a pass/fail basis.
Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA
Corequisite: EDUC 560, EDUC 561
- EDUC 560 Student Teaching Practicum 1-2** 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. This course will be graded on a pass/fail basis.
Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA
Corequisite: 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
Corequisite: EDUC 550, EDUC 560
- EDUC 570 Student Teaching Practicum 1-6** 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. This course will be graded on a pass/fail basis.
Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA
Corequisite: 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
Corequisite: EDUC 570
- EDUC 575 Student Teaching Half Practicum 1-6** 1-9 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. This course will be graded on a pass/fail basis.
Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA
Corequisite: EDUC 571
Repeatable: Maximum of 9 credits
- EDUC 580 Student Teaching Practicum 5-8** 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. The course will be graded on a pass/fail basis.
Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA
Corequisite: EDUC 581
- EDUC 581 Student Teaching Seminar 5-12** 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
Corequisite: EDUC 530 or 580 or 590
- EDUC 585 Student Teaching Half Practicum 5-8** 1-9 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. This course will be graded on a pass/fail basis. GPA
Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall
Corequisite: EDUC 581
Repeatable: Maximum of 9 credits
- EDUC 590 Student Teaching Practicum 8-12** 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. This course will be graded on a pass/fail basis.
Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA
Corequisite: EDUC 581

<p>EDUC 595 Student Teaching Half Practicum 8-12 1-9 cr</p> <p>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. This course will be graded on a pass/fail basis.</p> <p>Prerequisite: Department approval, passing scores on all MTEL's, grades of C or better in all licensure courses, and 2.8 overall GPA</p> <p>Corequisite: EDUC 581</p> <p>Repeatable: Maximum of 9 credits</p>	<p>ENGL 221 Literary Journalism 3 cr</p> <p>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.</p> <p>ENGL 231 The Power of Words 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS), Leadership Minor (LDRS)</p>
<p>ENGL 100 College Writing I 3 cr</p> <p>Explores the writing process, providing practical strategies and techniques. Emphasis is on constructing texts with attention to various levels of organization and development.</p> <p>ENGL 150 College Writing II 3 cr</p> <p>Emphasizes college-level writing, reading, research and revision practices necessary for 21st century academic and civic engagement. Teaches students to use a variety of genres, rhetorical techniques, and sources of evidence to reach academic and civic audiences.</p> <p>Prerequisite: ENGL 100</p> <p>Attributes: Critical Reading, Thinking, Writing (CWR)</p> <p>ENGL 202 The Personal Essay 3 cr</p> <p>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.</p> <p>ENGL 207 Introduction to American Ethnic Studies 3 cr</p> <p>Explores the methodological and thematic evolution of American and Ethnic Studies. We will ask: Who is an American? What does it mean to be American? We will approach this task through a critical vantage point that considers the impacts of race, class, gender, and sexuality on "Americanness." We will also explore how economics, empire, racism, transnationalism, and imperialism all impact our definitions of "Americanness."</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Core Human Heritage (CHH)</p> <p>ENGL 208 Experiments in Creative Writing 3 cr</p> <p>Initiate new storytelling practices inspired by historic literary movements and contemporary writers. The goal is not to perfect stable pieces but to move our writing (fiction, creative nonfiction, and poetry) around, via formal conditions, limits, and games.</p> <p>Attributes: Core Creative Arts (CCA)</p> <p>ENGL 210 Essentials of Film 3 cr</p> <p>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.</p> <p>Attributes: Core Creative Arts (CCA)</p>	<p>ENGL 250 Introduction to Literature 3 cr</p> <p>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.)</p> <p>Attributes: Core Creative Arts (CCA)</p> <p>ENGL 250H Honors: Introduction to Literature 3 cr</p> <p>Seeks to develop each students' 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.</p> <p>Attributes: Core Creative Arts (CCA), Honors Program (HONR)</p> <p>ENGL 265 Literary Theme 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH)</p> <p>Repeatable: Unlimited Credits</p> <p>ENGL 270 Literary Genre 3 cr</p> <p>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.</p> <p>Attributes: Core Creative Arts (CCA)</p> <p>Repeatable: Unlimited Credits</p> <p>ENGL 300 Creative Writing: Fiction 3 cr</p> <p>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.</p> <p>ENGL 301 Creative Writing: Poetry 3 cr</p> <p>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.</p>

English (ENGL)

- 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.
- 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.
Repeatable: Unlimited Credits
- 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.
- 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 313 Global Anglophone Language and Literature** 3 cr
Analyzes Global Anglophone Literature and Postcolonial theory with a particular focus on writing from and about Africa, the Caribbean, and India. Discussions will center on questions of language, representation, and form. We will explore the various aesthetic strategies and techniques employed by writers to communicate contemporary postcolonial themes, such as neocolonialism, globalization, nationalism, imperialism, feminism, migration, hybridity, and diaspora.
Prerequisite: ENGL 250
Attributes: Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)
- 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.
- ENGL 331 The Story of English** 3 cr
Examines English as the global language of power from the Anglo-Saxon era to today's digitally-connected world and the ways it has been continually transformed by the diverse racial and ethnic communities who have used it. Students explore English's complexity by engaging with multiple genres across a diversity of research traditions, from creative non-fiction, to historical research, to contemporary scholarship in the fields of Writing Studies, Linguistics, and Comparative Rhetorics.
Prerequisite: ENGL 250
- ENGL 340 Literature and Society** 3 cr
Discusses and analyzes a variety of literary works that illuminate social issues. Integrates literature with other disciplines by focusing on several contemporary themes of social relevance.
Prerequisite: ENGL 250
- ENGL 341 Hybrid Poetics** 3 cr
Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.
Prerequisite: Junior/senior status
- ENGL 341H Honors: Hybrid Poetics** 3 cr
Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.
Prerequisite: Junior/senior status
Attributes: Honors Program (HONR)
- 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
- ENGL 351 William Shakespeare** 3 cr
Considers such works as the Sonnets, *Midsummer Night's Dream*, *Measure for Measure* and *The Tempest*.
Prerequisite: ENGL 250
- ENGL 353 Hawthorne and Melville** 3 cr
Studies the chief works of Nathaniel Hawthorne and Herman Melville with particular attention to their innovations in American letters. Includes such works as *Typee*, *Moby-Dick*, *Billy Budd*, *The Scarlet Letter*, and *The Tanglewood Tales*.
Prerequisite: ENGL 250
- 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
- ENGL 363 Travel Writing** 3 cr
Examines a variety of travel literatures across multiple modes and genres - including essay, poetry, memoir and fiction - in order to spur students' own writing and thinking processes about how "traveling" happens, from the local to the global. Students explore not only the personal, ethical and ethnographic dimensions of travel, but will create exploratory texts that move and rove, cross borders, pitch questions and field discoveries in which the reader can participate as traveling companion.

<p>ENGL 365 Reading the Graphic Novel 3 cr</p> <p>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.</p> <p>Prerequisite: ENGL 250</p>	<p>ENGL 375 Civil War in Literature and Film 3 cr</p> <p>Considers texts which focus on the American Civil War for thematic and generic purposes.</p> <p>Prerequisite: ENGL 250</p>
<p>ENGL 367 The Beat Generation 3 cr</p> <p>Explores the literature of the Beat Generation, including its antecedents, influences, and lasting legacy. Authors include Ginsberg, Kerouac, Burroughs, Corso, Snyder, McClure, Ferlinghetti, DiPrima, Baraka, Cassady, Johnson, Jones, Bob Dylan, and others.</p> <p>Prerequisite: ENGL 250</p>	<p>ENGL 377 Novel in Context 3 cr</p> <p>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.</p> <p>Prerequisite: ENGL 250</p>
<p>ENGL 368 The Age of Milton 3 cr</p> <p>Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Samson Agonistes," and "Paradise Lost".</p> <p>Prerequisite: ENGL 250</p>	<p>ENGL 381 African American Literature 3 cr</p> <p>Surveys texts drawn from such writers as Hughes, Dubois, Wright, Morrison, Giovanni, Reed, Douglas, etc.</p> <p>Prerequisite: ENGL 250</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)</p>
<p>ENGL 368H Honors: The Age of Milton 3 cr</p> <p>Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Sampson Agonistes," and "Paradise Lost".</p> <p>Prerequisite: ENGL 250</p> <p>Attributes: Honors Program (HONR)</p>	<p>ENGL 387 Latino/a American Literature 3 cr</p> <p>Studies texts focusing on the Latino/a experience in the United States. Considers the history of immigration, assimilation, resistance and bilingualism 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.</p> <p>Prerequisite: ENGL 250</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>
<p>ENGL 371 The American Renaissance 3 cr</p> <p>Surveys texts from such authors as Emerson, Dickinson, Thoreau, Alcott, Fuller, Melville, Hawthorne, Whitman, Douglas.</p> <p>Prerequisite: ENGL 250</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>ENGL 388 Visions and Voices: American Ethnic Literature and Art 3 cr</p> <p>Explores a range of works (fiction, poetry, memoir, photography, music, painting, news media) from American ethnic writers and artists of the twentieth-century and beyond. This course critically examines the cross-section of ethnicity and creative expression as it applies to questions of American identity. Topics include systemic oppression, nationhood, immigration, marginalization, intersectionality, cultural hybridity, intergenerational trauma and survival, border crossing, and heritage.</p> <p>Prerequisite: Junior/senior status</p> <p>Attributes: Women Gender Sexuality Studies (WMST)</p>
<p>ENGL 372 Arts of Medieval and Renaissance Britain 3 cr</p> <p>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.</p> <p>Prerequisite: ENGL 250, sophomore status, instructor approval (Students pay travel fee)</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>ENGL 389 Contemporary American Literature: 3 cr</p> <p>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.</p> <p>Prerequisite: ENGL 250</p> <p>Repeatable: Unlimited Credits</p>
<p>ENGL 372H Honors: Arts of Medieval and Renaissance Britain 3 cr</p> <p>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.</p> <p>Prerequisite: ENGL 250, sophomore status, instructor approval (Students pay travel fee)</p> <p>Attributes: Additional Fees Apply (FEE), Honors Program (HONR)</p>	<p>ENGL 392 Queer Identity in Contemporary Literature 3 cr</p> <p>Explores representations of queer identity by contemporary writers working in a variety of literary genres including short and novel-length fiction, the graphic novel, poetry, and memoir. Authors may include David Levitt, Jeanette Winterson, Olga Broumas, Colm Toibin, Raphael Campo, Alan Hollinghurst, Leslie Fienberg, Mark Wunderlich, Alison Bechdel, or Michelle Tea.</p> <p>Prerequisite: ENGL 250</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)</p>
<p>ENGL 374 Literature and the Environment 3 cr</p> <p>Explores, through literary study, the variety of ways that human beings have regarded our relationship to nature and the environment. Examines some of the many cultural factors conditioning these views, as well as the impact on the environment-and us-when these views are put into practice.</p> <p>Prerequisite: ENGL 250</p> <p>Attributes: Environmental Studies (ENVI)</p>	

- ENGL 393 Faulkner and the Global South** 3 cr
Explores the reciprocal resonances between the writing of white southern modernist, William Faulkner, and the diverse literatures coming out of the Global South. Examines the ways in which Global South writers use experimental poetics to continue Faulkner's project and tell the stories of colonialism from the neocolonial present.
Prerequisite: ENGL 250
- 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 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
Repeatable: Unlimited Credits
- ENGL 401 Open Up: Community Dialogue Workshop** 3 cr
A high-impact, community-based learning course that puts students directly in the classroom, leading discussions on important topics, such as race, gender, sexuality, identity, and community. The course centers theoretical and pedagogical discussions grounded in books and articles, such as *The New Jim Crow* and *White Fragility*, as well as documentary films, exploring power, society, and identity. Student groups will then develop workshops and partner with local high schools.
Prerequisite: Junior/senior status
- ENGL 410 Special Topics in Creative Writing** 3 cr
Explores new forms, genres, and approaches to the craft of creative writing for advanced students looking to further their creative and critical artistic practices. Content identified by subtitle. Primarily for majors in the junior and senior year.
Prerequisite: Junior/senior status
Repeatable: Unlimited Credits
- 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
Repeatable: Unlimited Credits
- 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
- 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
- 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
Repeatable: Unlimited Credits
- 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
- 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
- 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*.
Prerequisite: ENGL 250
- 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
Repeatable: Unlimited Credits
- 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
Repeatable: Maximum of 6 credits
- ENGL 493 Teaching Assistantship in English/Communications** 1-6 cr
Assists the instructor with the organization, implementation and assessment of individual English/Communications courses.
Prerequisite: Department approval
Repeatable: Maximum of 6 credits
- ENGL 500 Independent Study** 1-3 cr
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior/senior status, department approval
Repeatable: Maximum of 12 credits
- ENGL 540 Internship in English** 1-15 cr
Provides a practical, hands-on field experience to supplement classroom courses. The student works with an on-campus faculty advisor and usually with an on-site supervisor, and the two jointly evaluate the student's work.
Prerequisite: Junior/senior standing, department approval
Repeatable: Maximum of 15 credits

Entrepreneurship (ENTR)

ENTR 210 Principles of Entrepreneurship 3 cr

Develops entrepreneurial skills through the integration and application of Design Thinking, Systems Thinking, and Lean Canvas. Working in small groups, students gain an understanding of social entrepreneurship through the application of these tools to identify, refine, and present viable solutions to contemporary challenges facing communities.

ENTR 510 Entrepreneurial Studies Seminar 3 cr

Provides a structured environment in which students identify and pursue social entrepreneurship opportunities from the framework of their choice (Design Thinking, Lean Canvas, and Conventional Project Management). Each class will focus on the student's development of a specific aspect of their business plan. Intended for Entrepreneurial Studies minors.

Prerequisite: ENTR 210

Environmental Studies (ENVI)

ENVI 100 Environmental Studies: Entering Student Seminar 1 cr

Introduces students to environmental studies in order to inform students about academic and professional opportunities in the field. Supports incoming students in beginning to develop a professional portfolio, and provides information about research, internships, graduate schools, and jobs through presentations and interactions with peers and mentors. This seminar is required for all MCLA environmental studies majors and will be graded on a pass/fail basis.

Prerequisite: ENVI Major

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI), Honors Program (HONR)

ENVI 152H Honors: Environmental Sustainability 4 cr

Provides a foundation in the nature and properties of natural resources in the context of sustainable environmental management. Students will consider and apply the paradigm of social, environmental and economic sustainability to a variety of natural resource issues such as fossil fuels, renewable energy, wastewater, forestry and wildlife, land protection, food production, urbanization and solid waste and recycling. Required laboratory.

Attributes: Environmental Studies (ENVI), Honors Program (HONR)

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.

Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)

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.

Attributes: Core Science & Tech w/o lab (CST), Environmental Studies (ENVI)

ENVI 250 Special Topics in Environmental Studies 3 cr

Focuses attention on a special environmental topic or issue at an introductory level of investigation.

Prerequisite: Sophomore status or instructor approval

Attributes: Environmental Studies (ENVI)

Repeatable: Unlimited Credits

ENVI 260 Green Living Seminar 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.

Attributes: Environmental Studies (ENVI)

Repeatable: Maximum of 8 credits

ENVI 299 Environmental Studies Practicum 1-3 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.

Prerequisite: Department approval

Attributes: Environmental Studies (ENVI)

Repeatable: Maximum of 4 credits

ENVI 305 Ecology and Management of the Adirondack Park 2 cr

Focuses on the history, management and natural habitats of the Adirondack Park in New York. Includes travel to the Adirondacks with visits to natural areas and interpretive sites as well as meetings with scientists and land managers. The Adirondack Park will be examined as a case study in sustainability, with a focus on understanding the tensions inherent with simultaneously managing for the region's wilderness, residents, and visitors.

Prerequisite: Instructor 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.

Prerequisite: Junior/senior status

Attributes: Environmental Studies (ENVI)

<p>ENVI 315 Environmental Economics 3 cr</p> <p>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.</p> <p>Prerequisite: ENVI 150 or ENVI 150H or ENVI 152H or ECON 141 or ECON 142 and junior status</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>ENVI 351 Ornithology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150 or ENVI 150 or ENVI 150H</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>ENVI 320 Methods in Environmental Research 4 cr</p> <p>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.</p> <p>Prerequisite: ENVI 150H, ENVI 152H, Tier I Quantitative Reasoning, junior status</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>ENVI 352 Environmental Justice 3 cr</p> <p>Explores the concept of environmental justice through interdisciplinary lenses, including sociological, scientific, literary, and philosophical perspectives. Examines the history of the EJ movement as a response to environmentalist movements that failed to consider differentiated impacts on people based on race, gender, and economic status. Historic and current case studies from around the world serve as concrete examples to enable us to grasp patterns and economic connections.</p> <p>Prerequisite: Junior/senior status</p>
<p>ENVI 325 Geographic Information Systems 4 cr</p> <p>Geographic Information Systems/Science is rapidly becoming the optimum approach for displaying and analyzing both spatial and temporal data in virtually every field. Through a series of "on the job" projects, students will learn the concepts, terminology and computer skills necessary to apply these skills to a variety of subject and occupational areas. Students will complete a final project, report and presentation using GIS in their area of interest. Required laboratory.</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>ENVI 355 Everglades and South Florida 3 cr</p> <p>Explores the history, ecology, and current events of the Everglades and South Florida. Through an extended field trip through South Florida, students will explore the historical and contemporary interactions of people with their environment. Using an environmental history perspective, students will examine topics such as agricultural practices, development pressures, Everglades management, threatened and endangered species, water conservation, natural areas management, and prehistoric people.</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>ENVI 340 Environmental Law 3 cr</p> <p>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.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Environmental Studies (ENVI)</p>	<p>ENVI 360 Advanced Special Topics in Environmental Science 1-4 cr</p> <p>Examines the aspects of environment predominantly from life science perspective. Courses may focus on particular taxa, or particular biological organization at the level of the organism, population, community, or ecosystem. Courses may also focus on various aspects of ecology.</p> <p>Attributes: Environmental Studies (ENVI)</p> <p>Repeatable: Unlimited Credits</p>
<p>ENVI 340H Honors: Environmental Law 3 cr</p> <p>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.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>	<p>ENVI 375 Aquatic Ecology 4 cr</p> <p>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.</p> <p>Prerequisite: BIOL 100 or BIOL 150 or ENVI 150H</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>ENVI 350 Advanced Special Topics in Environmental Studies 1-4 cr</p> <p>Focuses attention on a special environmental topic or issue at an advanced level of study.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Environmental Studies (ENVI)</p> <p>Repeatable: Unlimited Credits</p>	<p>ENVI 400 Environmental Studies: Senior Seminar 1 cr</p> <p>Provides a culminating experience for graduating ENVI majors as they prepare to pursue graduate school or employment in the environmental field. Supports students in completing their academic portfolio and in finding and successfully applying for jobs and graduate school. Incorporates a variety of presentations by students and outside professionals. This seminar is required for all MCLA environmental studies majors and will be graded on a pass/fail basis.</p> <p>Prerequisite: ENVI Major and senior status</p>

ENVI 401 Independent Research 1-3 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.

Prerequisite: Department approval

Attributes: Environmental Studies (ENVI)

Repeatable: Maximum of 6 credits

ENVI 425 Advanced Geographic Information Systems (GIS) 4 cr

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

Prerequisite: ENVI 325 (grade of C or better)

Attributes: Environmental Studies (ENVI)

ENVI 499 Teaching Assistantship in Environmental Studies 1-3 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.

Prerequisite: Department approval

Attributes: Environmental Studies (ENVI)

Repeatable: Maximum of 6 credits

ENVI 500 Independent Study in Environmental Studies 1-3 cr

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

Prerequisite: Junior/senior status, department approval

Attributes: Environmental Studies (ENVI)

Repeatable: Maximum of 12 credits

ENVI 540 Internship in Environmental Studies 1-15 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.

Prerequisite: Junior/senior status, departmental approval

Attributes: Environmental Studies (ENVI)

Repeatable: Maximum of 15 credits

Fine & Performing Arts (FPA)

FPA 500 Supervised Independent Study 1-3 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

Repeatable: Maximum of 12 credits

FPA 501 Senior Thesis 3 cr

Directed study representing a student's ability and commitment to serious academic research. Seniors present a written thesis exploring a topic of their choosing in depth. Topics must explore how the arts are interdisciplinary, be presented in the context of their time, and take into account related artistic influences and social values.

Prerequisite: Senior FPA Major

FPA 540 Internship in Fine and Performing Arts 1-15 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 Performing Arts major requirements.

Prerequisite: Performing Arts junior/senior status, department approval

Repeatable: Maximum of 15 credits

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.

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.

Prerequisite: FREN 101

Attributes: Language Arts (CLA)

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

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

Repeatable: Unlimited Credits

Health (HLTH)

<p>HLTH 100 Clinical Observation</p> <p>Allows the student to learn about a specific health care field through direct observation of clinical practice. The student will work with a faculty sponsor and a clinical supervisor. Students will complete clinical observation and will participate in scheduled discussions about the observation experience. This course is graded on a pass-fail basis and is repeatable to 3 credits. HLTH 100 may be paired with BIOL 500 Independent Study for advanced exploration of the field.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 3 credits</p>	1 cr	<p>HLTH 210 Human Growth and Development</p> <p>Explores the life cycle from conception to death. Biological, sociological and psychological perspectives will be examined and applied to everyday situations and social issues.</p> <p>Attributes: Core Self & Society (CSS)</p>	3 cr
<p>HLTH 105 Medical Terminology</p> <p>Allows recognition and accurate use of terminology that describes the human body and its pathological processes, conditions and diseases. Terminology related to procedures and clinical tests will also be addressed.</p>	1 cr	<p>HLTH 210H Honors: Human Growth and Development</p> <p>Explores the life cycle from conception to death. Biological, sociological, and psychological perspectives will be examined and applied to everyday situations and social issues.</p> <p>Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>	3 cr
<p>HLTH 110 Introduction to Healthcare</p> <p>Provides content for a comprehensive survey and introduction to the U.S. health care system. Topics and discussions will include public health, financing of health care, health insurance, politics, health care providers, and delivery of health care. The course will introduce concepts of regulation, legislation, ethics, and elements of health care reform.</p>	3 cr	<p>HLTH 295 Special Topics in Health Studies</p> <p>Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the high introductory level.</p> <p>Prerequisite: Will vary depending on the course</p> <p>Repeatable: Unlimited Credits</p>	1-4 cr
<p>HLTH 150 Introduction to Community and Public Health</p> <p>Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.</p> <p>Attributes: Core Self & Society (CSS)</p>	3 cr	<p>HLTH 300 Ethical Issues in Health Care</p> <p>Examines the moral traditions and ethical principles relevant to life, and their application in present-day clinical care and biomedical research. Introduces students to the historical, theoretical, and thematic dimensions of health care ethics. Focuses on main ethical terms and concepts, as well as decision-making procedures that students can use to discern and defend moral courses of action in health care.</p> <p>Prerequisite: Junior/senior status</p>	3 cr
<p>HLTH 150H Honors: Introduction to Community and Public Health</p> <p>Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.</p> <p>Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>	3 cr	<p>HLTH 310 Environmental Health</p> <p>Provides a multidisciplinary understanding of the science, practice, laws and policy of environmental health sciences, addressing why risk of disease is modulated by the environment. Topics include types and sources of environmental contaminants, exposure assessment, types of microenvironments, human behavior and time-location-activity patterns, toxicology, the risk assessment paradigm, basics of environmental and occupational epidemiology, and communicating about environmental health sciences.</p> <p>Prerequisite: Junior/senior status and BIOL 150 or HLTH 150 or HLTH 150H</p>	3 cr
<p>HLTH 195 Special Topics in Health Studies</p> <p>Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the introductory level.</p> <p>Repeatable: Unlimited Credits</p>	1-4 cr	<p>HLTH 321 Lower Body Assessment</p> <p>Explores all aspects of injury evaluation. Injuries to the lower extremity and lumbar spine will be stressed through lecture and lab. Required laboratory.</p> <p>Prerequisite: BIOL 342</p>	4 cr
<p>HLTH 200 Health Promotion and Planning</p> <p>Introduces students to health promotion programs. Students will develop health education curricula and teaching strategies for individuals and groups across the life span and in a variety of settings. Students will explore curricular design theory, health education needs assessments, instructional strategies, learner characteristics, teaching materials and aids, learning environments, and evaluation methods.</p>	3 cr	<p>HLTH 322 Upper Body Assessment</p> <p>Explores all aspects of injury evaluation. Injuries to the upper extremity and cervical spine will be emphasized through lecture and lab. Required laboratory.</p> <p>Prerequisite: BIOL 342</p>	4 cr
<p>HLTH 201 Exercise Science</p> <p>Facilitates an understanding of exercise based on the principles related to training basics, energy systems, muscular fitness and biomechanics. Students will learn to develop training programs for better physical performance and health.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	3 cr	<p>HLTH 337 Therapeutic Modalities</p> <p>Explores the physiology of inflammation and pain in the context of injury. Describes the principles and effects of therapeutic modalities (including thermal, acoustic, electrical, light, and mechanical) and promotes appropriate selection and application of the modalities. Required laboratory.</p> <p>Prerequisite: BIOL 150 and sophomore, junior, or senior status</p>	4 cr
		<p>HLTH 338 Therapeutic Exercise</p> <p>Offers students the opportunity to study the techniques and principles involved in rehabilitation of athletic injuries. It includes all aspects of reconditioning exercise and rehabilitation program development.</p> <p>Prerequisite: BIOL 342</p>	3 cr

HLTH 339 Therapeutic Exercise with Lab 4 cr

Offers students the opportunity to study and practice the techniques and principles involved in rehabilitation of athletic injuries. It includes all aspects of reconditioning exercise and rehabilitation program development. Required laboratory.

Prerequisite: BIOL 342

HLTH 350 Health Communication 3 cr

Examines how communication affects and is intertwined with issues of health, medicine and ethics. Communication will be discussed on a personal, intimate level in the way patients and caregivers interact in the examination and hospital room; at the organizational level, in the way policies and community relations affect how health care is provided and how people feel about providers; and in media campaigns that seek to educate people about health.

Prerequisite: Junior/senior status

HLTH 395 Special Topics in Health Studies 1-4 cr

Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the advanced level.

Prerequisite: Will vary depending on the course

Repeatable: Unlimited Credits

HLTH 495 Special Topics in Health Studies 1-4 cr

Provides students with an opportunity to explore different topics and current issues in health or related fields. This course is designed to focus on health topics or issues at the high advanced level.

Prerequisite: Will vary depending on course

Repeatable: Unlimited Credits

HLTH 500 Health Science Independent Study 1-3 cr

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

Prerequisite: Junior/senior status and department approval

Repeatable: Maximum of 12 credits

HLTH 510 Health Science Independent Research 1-3 cr

For health science majors who desire to conduct research on a specific topic in a health science field. The research will be under the direction of the instructor and will require scholarly report.

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

HLTH 540 Internship in Community Health Education 3 cr

Provides students with hands-on experience outside of the college in the field of community health and wellness. The student will work with a faculty sponsor and an off-campus supervisor, as appropriate. Repeatable up to 12 credits.

Prerequisite: HLTH 200 and junior/senior status

Repeatable: Maximum of 12 credits

HLTH 590 Health Internship 1-15 cr

Provides students with hands-on experience in health fields. The student will work with a faculty sponsor and an off-campus supervisor, as appropriate.

Prerequisite: Junior/senior status

Repeatable: Maximum of 15 credits

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.

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.

Attributes: Core Human Heritage (CHH)

HIST 113 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.

Attributes: Core Human Heritage (CHH)

HIST 114 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.

Attributes: Core Human Heritage (CHH)

HIST 125 World Regional Geography 3 cr

Introduces theories, terms and past and contemporary topics in human geography, including how cultures are born and change, how groups of people organize themselves and their activities both spatially and politically, how patterns of activities emerge and change across time and space, and how we interact with our environments. Students in this course will explore demographic, economic, and social trends and issues across the globe in their geographic and historical context.

Attributes: Core Human Heritage (CHH)

HIST 220 Reformers, Rebels, Revolutionaries in East Asia 3 cr

Using a "lives and times" approach, this course will introduce to students some men and women whose lives reflect major social, cultural, political and economic developments in the modern history of East Asia (China, Japan, Korea, and Vietnam). These individuals were uniquely positioned to influence history when their society experienced profound transition and transformation through imperialism, industrialization, wars, and social conflicts.

Attributes: Core Human Heritage (CHH)

HIST 230 War, Science, and Society 3 cr

Using a variety of case studies from European and world history, this course concentrates on increasing students' understanding of how conflict and scientific innovation have combined to change societies. Students will research and analyze a broad range of source materials to develop their ability to construct arguments and interpretations and express them logically and persuasively in speech and writing. Possible topics include atomic energy, medicine, transportation, and weaponry.

Attributes: Core Human Heritage (CHH)

- HIST 240 Reacting to the Past** 3 cr
Explores selected periods in American history using elaborate, role playing historical games based in the American past. This course seeks to draw students into engaging the past, developing their understanding and analysis of historical sources, and improving skills in speaking, writing, and leadership. The games covered in the course will vary from semester to semester.
Attributes: Core Human Heritage (CHH)
- HIST 250 Museums, Monuments & Memory** 3 cr
Explores the ways that we remember the past. Students will engage with artifacts, museums, public symbols like monuments, and events meaningful to their own histories. They will work with local organizations to learn new methods of preserving history and presenting it to public audiences. Using a variety of case studies, this collaborative course will confront debates about the politics of history and explore how diverse audiences interact with history and historical memory.
Attributes: Core Human Heritage (CHH)
- HIST 290 Historical Methods and Theory** 3 cr
Introduces the discipline of history, with emphasis in the following areas: how to find, analyze, assess, and utilize primary and secondary source materials; understanding historiography - the study of how history is "made"; the possibilities of digital and public history; how to create written work in upper-level courses that exhibits sound scholarship and meets professional citation standards.
Prerequisite: Sophomore status
- 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 or HIST 290
Repeatable: Unlimited Credits
- 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.
Prerequisite: Junior/senior status or HIST 290
Attributes: Cross-Cultural and Social Justice (CCSJ)
Repeatable: Unlimited Credits
- 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 or HIST 290
Repeatable: Unlimited Credits
- 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.
Prerequisite: Junior/senior status or HIST 290
Attributes: Cross-Cultural and Social Justice (CCSJ)
Repeatable: Unlimited Credits
- 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.
Prerequisite: Junior/senior status or HIST 290
Attributes: Cross-Cultural and Social Justice (CCSJ)
Repeatable: Unlimited Credits
- 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.
Prerequisite: Junior/senior status or HIST 290
Repeatable: Unlimited Credits
- HIST 360 Practicing History** 3 cr
Focuses on a project, issue, or theme in public history. Emphasis will be placed on completing a collaborative project at MCLA or in the northern Berkshire community as well as developing skills in interpreting historical sources, research, writing, and oral communication. Possible topics include: North Adams History Harvest; Civil War Memory; The Holocaust and World War II; Women in the Berkshires.
Prerequisite: HIST 250 or HIST 290 or AMGT 235 or junior/senior status
Repeatable: Unlimited Credits
- 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 290, junior/senior status
Repeatable: Unlimited Credits
- 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 290, junior/senior status
Repeatable: Unlimited Credits

<p>CCST 105H Honors: The Chemistry of CSI 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST), Honors Program (HONR)</p>	<p>ENVI 152H Honors: Environmental Sustainability 4 cr</p> <p>Provides a foundation in the nature and properties of natural resources in the context of sustainable environmental management. Students will consider and apply the paradigm of social, environmental and economic sustainability to a variety of natural resource issues such as fossil fuels, renewable energy, wastewater, forestry and wildlife, land protection, food production, urbanization and solid waste and recycling. Required laboratory.</p> <p>Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>
<p>ENGL 250H Honors: Introduction to Literature 3 cr</p> <p>Seeks to develop each students' 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.</p> <p>Attributes: Core Creative Arts (CCA), Honors Program (HONR)</p>	<p>ENVI 340H Honors: Environmental Law 3 cr</p> <p>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.</p> <p>Prerequisite: Junior status</p> <p>Attributes: Environmental Studies (ENVI), Honors Program (HONR)</p>
<p>ENGL 341H Honors: Hybrid Poetics 3 cr</p> <p>Investigates a range of experimental literary texts that cross, blur, or recombine different modes and genres of writing, in order to invent new forms of expression. Students explore the porous borders between poetry and prose, the creative and the critical, the visual and the verbal, the oral and the written, the factual and the imaginative. In their own writing, students are invited to move between two types of writing, creative and analytical, that are ordinarily kept separate.</p> <p>Prerequisite: Junior/senior status</p> <p>Attributes: Honors Program (HONR)</p>	<p>HLTH 150H Honors: Introduction to Community and Public Health 3 cr</p> <p>Introduces the fields of Public Health, Health Education and Health Promotion. Topics will include the history of public health, health status, health care philosophy, health and wellness, chronic and infectious diseases, health-related behavior, health theories and program models. Students will learn to use library databases and write a review of health-related literature. A service learning component will allow students to establish projects and relationships that will benefit the community.</p> <p>Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>
<p>ENGL 368H Honors: The Age of Milton 3 cr</p> <p>Studies Milton's major works, emphasizing the relation between his development as a poet and the intellectual and social currents of the Puritan Revolution and of the restoration of the monarchy. Includes such works as "On the Morning of Christ's Nativity," "L'Allegro," "Il Penseroso," "Lycidas," "Sampson Agonistes," and "Paradise Lost".</p> <p>Prerequisite: ENGL 250</p> <p>Attributes: Honors Program (HONR)</p>	<p>HLTH 210H Honors: Human Growth and Development 3 cr</p> <p>Explores the life cycle from conception to death. Biological, sociological, and psychological perspectives will be examined and applied to everyday situations and social issues.</p> <p>Attributes: Core Self & Society (CSS), Honors Program (HONR)</p>
<p>ENGL 372H Honors: Arts of Medieval and Renaissance Britain 3 cr</p> <p>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.</p> <p>Prerequisite: ENGL 250, sophomore status, instructor approval (Students pay travel fee)</p> <p>Attributes: Additional Fees Apply (FEE), Honors Program (HONR)</p>	<p>HONR 100 The Nature of Human Nature 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH), Honors Program (HONR)</p>
<p>ENVI 150H Honors: Introduction to Environmental Systems 4 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI), Honors Program (HONR)</p>	<p>HONR 102 Topics in Honors 3 cr</p> <p>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.</p> <p>Attributes: Honors Program (HONR)</p> <p>Repeatable: Unlimited Credits</p>
	<p>HONR 201 Special Topics in Honors 3 cr</p> <p>Undertakes a concentrated study of an interdisciplinary subject to be determined by the honors director in consultation with the Honors Advisory Board.</p> <p>Attributes: Honors Program (HONR)</p> <p>Repeatable: Unlimited Credits</p>

HONR 210 Director's Book Course

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.

Prerequisite: Membership in the Honors Society

Attributes: Honors Program (HONR)

Repeatable: Unlimited Credits

1 cr

HONR 301 Special Topics in Honors

Undertakes a concentrated study of an interdisciplinary subject to be determined by the honors director in consultation with the Honors Advisory Board.

Attributes: Honors Program (HONR)

Repeatable: Unlimited Credits

3 cr

HONR 401 Special Topics in Honors

Undertakes a concentrated study of an interdisciplinary subject to be determined by the honors director in consultation with the Honors Advisory Board.

Attributes: Honors Program (HONR)

Repeatable: Unlimited Credits

3 cr

HONR 500 Independent Study in Honors

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

Attributes: Honors Program (HONR)

Repeatable: Maximum of 12 credits

1-12 cr

HONR 550 Commonwealth Scholar Thesis Research

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.

Prerequisite: Honors Program Director Approval

Attributes: Honors Program (HONR)

Repeatable: Maximum of 6 credits

3 cr

IDST 150H Honors: Introduction to Cross-Cultural and Social Justice

Opens up a perspective on cultural diversity in local and global contexts. Takes an interdisciplinary approach to consider how historically shaped intersections of race, class, gender, and ethnicity inform the contemporary and past experiences of individuals and groups in society. Considers social justice and (in)equality by studying themes such as racism; classism; migration; globalization and labor rights; human trafficking; Islamophobia; and environmental justice.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

MATH 232H Honors: Introduction to Statistics

Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major.

Attributes: Quantitative Reasoning (CMA), Honors Program (HONR)

3 cr

PHIL 110H Honors: World Religions

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 meaning of religion in human life.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

3 cr

PHIL 120H Honors: Art and Philosophy

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.

Attributes: Core Creative Arts (CCA), Honors Program (HONR)

3 cr

PHIL 200H Honors: Logic and Critical Reasoning

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.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

3 cr

PHIL 375H Honors: Ethics and Animals

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.

Prerequisite: Junior/senior status

Attributes: Honors Program (HONR)

3 cr

PHIL 410H Honors: Constructing Reality

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

Attributes: Honors Program (HONR)

3 cr

PHIL 500 Directed Independent Study

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

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

Attributes: Honors Program (HONR)

Repeatable: Maximum of 12 credits

1-3 cr

PSYC 208H Honors: Applied Developmental Psychology

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.

Prerequisite: PSYC 100 or any Self and Society course,

Attributes: Honors Program (HONR)

3 cr

SOCI 201H Honors: Social Problems

Studies problems and disorganization in modern industrial society such as: poverty, racism, sexism, environmental pollution, militarism, and family issues.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS), Honors Program (HONR)

3 cr

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.

Attributes: Core Human Heritage (CHH)

CCHH 110 Topics in Human Heritage 3 cr

Examines fundamental concepts regarding the relationship of the individual to humanity's shared heritage. Topics will vary by semester and be identified by subtitle.

Attributes: Core Human Heritage (CHH)

Repeatable: Unlimited Credits

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.

Attributes: Core Human Heritage (CHH), Women Gender Sexuality Studies (WMST)

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.

Attributes: Core Human Heritage (CHH)

CCHH 221 Divine Witness 3 cr

Explores the history of revelation 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.

Attributes: Core Human Heritage (CHH)

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.

Attributes: Core Human Heritage (CHH)

CCHH 230 Introduction to Latinx Studies 3 cr

Examines the United States, and the histories, cultures, and experiences of Americans of Latin American ancestry. Latinx studies is an interdisciplinary academic field that explores the politics, health, representation, and practices of people from Latin American and Caribbean heritage living in the United States. Latinx studies offers a lens through which we can better understand connections between diverse Latinx groups as well as the differences that may come between them.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Human Heritage (CHH), Women Gender Sexuality Studies (WMST)

Interdisciplinary Studies (IDST)

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

Opens up a perspective on culture diversity in local and global contexts. Takes an interdisciplinary approach to consider how historically shaped intersections of race, class, gender, and ethnicity inform the contemporary and past experiences of individuals and groups in society. Considers social justice and (in)equality by studying themes such as racism; classism; migration; globalization and labor rights; human trafficking; Islamophobia; and environmental justice.

Attributes: Cross-Cultural and Social Justice (CCSJ), Core Human Heritage (CHH)

IDST 150H Honors: Introduction to Cross-Cultural and Social Justice 3 cr

Opens up a perspective on cultural diversity in local and global contexts. Takes an interdisciplinary approach to consider how historically shaped intersections of race, class, gender, and ethnicity inform the contemporary and past experiences of individuals and groups in society. Considers social justice and (in)equality by studying themes such as racism; classism; migration; globalization and labor rights; human trafficking; Islamophobia; and environmental justice.

Attributes: Core Human Heritage (CHH), Honors Program (HONR)

IDST 250 Introduction to Interdisciplinary Studies 3 cr

Introduces students to the world of Interdisciplinary Studies. Draws on selected academic disciplines (such as sociology, history, political science, psychology, and cultural studies) to develop interdisciplinary frameworks applied to the study of complex issues in society that cannot be understood or solved through the lens of a single academic discipline. Course topic is identified by subtitle.

Attributes: Core Self & Society (CSS)

Repeatable: Unlimited Credits

IDST 251 Introduction to Urban Studies 3 cr

Traces cities back to their origins and ends with the present day where urbanization is happening faster than ever. Following a chronological order, we will examine how global forces and local communities are intimately connected. The course draws from various academic disciplines and introduces students to basic concepts such as density, zoning, gentrification, and urban renewal. The goal is to help students become informed thinkers critical or urban designs and suburban lifestyle.

Attributes: Core Self & Society (CSS)

IDST 280 Introduction to the Interdisciplinary Studies Major and Degree Plan 1 cr

Provides beginning interdisciplinary majors with the opportunity to develop a sense of agency and ownership of their educational pathway through the creation of an individualized degree plan. Students will familiarize themselves with the IDST program at MCLA and engage with themes such as: conceptualizations and definitions of interdisciplinarity; the history of academic disciplines and the emergence of interdisciplinary studies; the interdisciplinary research process.

Prerequisite: IDST 250-259 or IDST 150

IDST 320 Methods in Interdisciplinary Studies 3 cr

Provides students with competencies in interdisciplinary research methods. Students will be introduced to the interdisciplinary research process and engage in research projects, applying disciplinary and interdisciplinary methods, theories, and concepts to the study of complex themes that cannot be understood through the lens of a single disciplinary lens. Course topics vary and are identified by subtitle (e.g. City & Social Space; Global Refugees of the 21st Century).

Prerequisite: Junior/senior status

IDST 350 World History in Contexts**3 cr**

Studies themes related to a geographic area, nation, epoch, or selected social group in historical contexts. Students will critically engage with a variety of sources, such as written historical 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.

Prerequisite: Junior/senior status**Repeatable:** Unlimited Credits**IDST 351 Race and Racism from a Global Perspective****3 cr**

Deconstructs the global construct of race by focusing on the tangled connections between state, race, culture, and identity. Relying on materials from across disciplines, the course aims to deepen students' understanding of the complexity of race and racism and the importance of interdisciplinary approaches. After a theoretical section, the course will explore the global dissemination of race and formations of racial identities, and will end with a case study on Sino-Africa engagement.

Prerequisite: Junior/senior status**IDST 352 Environmental Justice****3 cr**

Explores the concept of environmental justice through interdisciplinary lenses, including historical, sociological, scientific, literacy, and philosophical perspectives. Examines the history of the EJ movement as a response to environmentalist movements that failed to consider differentiated impacts on people based on race, gender, and economic status. Historic and current case studies from around the world serve as concrete examples to enable us to grasp patterns and economic connections.

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 academic disciplines (such as sociology, history, psychology, literature, and cultural studies) and through interdisciplinary perspectives. Course topic identified by subtitle.

Prerequisite: Junior/senior status**Repeatable:** Unlimited Credits**IDST 361 Madness and Society****3 cr**

Studies how understandings of mental health and illness are inextricably linked to society, culture, space, and time. Draws on theories, concepts, and insights from history, sociology, psychology, cultural anthropology, and media studies to study topics such as the history of mental illness; the influence of gender and social class on mental well-being; mental illness across cultures; and media representations of mental illness.

Prerequisite: Junior/senior status**IDST 362 Chinese Urban Cultures****3 cr**

Seeks to understand the socio-cultural changes in China following economic reforms in the 1980s. Exploring topics such as youth culture, gender and sexuality, and rural migration, we will focus on the shifting relationship between the state and common people's cultural life. The course uses a multi-disciplinary approach and incorporates various interesting materials including cultural analyses, anthropological research, a mystery fiction, and founding notes of a utopic community.

Prerequisite: Junior/senior status**IDST 401 Senior Seminar****3 cr**

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

Prerequisite: Senior IDST Major**IDST 500 Directed Independent Study****1-3 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**Repeatable:** Maximum of 12 credits**IDST 540 Interdisciplinary Internship****1-6 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**Repeatable:** Maximum of 15 credits

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.

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.

Prerequisite: ITAL 101**Attributes:** Language Arts (CLA)

Leadership (LEAD)

LEAD 200 Introduction to Leadership**3 cr**

Describes and compares 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.

LEAD 395 Leadership Practicum**1-3 cr**

Engages students in leadership and/or service experiences either on or off campus and meets weekly for instructor-led supervision, which comprises the presentation of selected reading topics (e.g. team building) and reflection activities (e.g. journal discussion) in a small group setting.

Prerequisite: Instructor approval**Repeatable:** Maximum of 3 credits**LEAD 540 Leadership Internship****1-3 cr**

Offers students field experience that actively and extensively draws upon the leadership concepts, principles, and skills. The internship must include a strong writing component in which the student interprets their field experience with reference to their leadership.

Prerequisite: Leadership Minor, junior status, Leadership Minor

Coordinator approval

Repeatable: Maximum of 15 credits

Mathematics (MATH)

<p>MATH 100 Math for Educators I 3 cr</p> <p>Reviews key concepts in numbers, operations, and algebra. Examines proofs and explanations suitable for elementary instruction. Covers: number bases other than ten, the order of operations, and the addition, subtraction, multiplication, and division of integers, fractions, and algebraic expressions.</p> <p>MATH 101 Math for Educators II 3 cr</p> <p>Reviews key concepts in functions, algebra, and geometry. Examines proofs and explanations suitable for elementary instruction. Covers: decimals, percents, exponents, radicals, functions, sequences, equations, dimensional analysis, and basic geometry, including angles, areas, volumes, and basic proofs.</p> <p>Prerequisite: MATH 100</p> <p>MATH 102 Mathematics for Liberal Arts 3 cr</p> <p>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.</p> <p>Attributes: Quantitative Reasoning (CMA)</p> <p>MATH 150 Precalculus 3 cr</p> <p>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.</p> <p>Prerequisite: Placement based on SAT scores and high school background</p> <p>Attributes: Quantitative Reasoning (CMA)</p> <p>MATH 201 Math Modeling for Educators 3 cr</p> <p>Examines topics addressed in middle school mathematics and more advanced topics, at the sophomore math major level, from one of these four areas: Problem solving, reasoning, and numeration; Properties of patterns and relations, and algebra; Euclidean geometry and measurement; Integration of the above areas with probability and statistics. Not open to math majors.</p> <p>Prerequisite: Instructor approval</p> <p>MATH 220 Calculus I 3 cr</p> <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.</p> <p>Prerequisite: MATH 150, placement based on SAT and high school background or department approval</p> <p>Attributes: Quantitative Reasoning (CMA)</p> <p>MATH 232 Introduction to Statistics 3 cr</p> <p>Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major.</p> <p>Attributes: Quantitative Reasoning (CMA)</p> <p>MATH 232H Honors: Introduction to Statistics 3 cr</p> <p>Examines descriptive statistics, probability, sampling theory and inferential statistics. Mathematics majors cannot use this course for credit towards their major.</p> <p>Attributes: Quantitative Reasoning (CMA), Honors Program (HONR)</p>	<p>MATH 240 Proof I 3 cr</p> <p>Introduces sets, Boolean logic, combinatorics, functions, and the basics of mathematical proof.</p> <p>Prerequisite: Completion of Tier I Quantitative Reasoning or instructor approval</p> <p>MATH 250 Discrete Mathematics 3 cr</p> <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>MATH 261 Linear Algebra 3 cr</p> <p>Investigates the theory of vector spaces, linear equations, linear transformations, determinants, inner product spaces, eigenvalues and eigenvectors.</p> <p>Prerequisite: MATH 240</p> <p>MATH 270 Statistics and Data Analysis 4 cr</p> <p>Examines descriptive statistics, probability, discrete and continuous random variables, confidence intervals, hypothesis testing, analysis of variance, regression and correlation. Includes normal distribution, t-distribution, chi square distribution. Required computer programming laboratory.</p> <p>MATH 286 Topics in Mathematics 1-4 cr</p> <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> <p>Repeatable: Unlimited Credits</p> <p>MATH 301 Math for Middle and High School Educators 3 cr</p> <p>Provides in-depth explanations for the mathematics taught in middle and high school: algebra, equations, and functions. Covers methods for providing differentiated instruction - reviewing topics from arithmetic (fractions, numbers, and operations) while simultaneously introducing new topics.</p> <p>Prerequisite: Completion of Tier I Quantitative Reasoning</p> <p>MATH 310 Proof II 3 cr</p> <p>Examines a wide variety of proof techniques (e.g. direct, by contradiction, by contrapositive, bi-directional, uniqueness, by induction, by counter-example). Students will practice these techniques and learn how and when to apply each one. Functions and relations will provide many examples, and be covered in-depth.</p> <p>Prerequisite: MATH 240</p> <p>MATH 320 Calculus II 3 cr</p> <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> <p>MATH 330 Calculus III 3 cr</p> <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>
---	--

<p>MATH 331 Probability and Statistics I 3 cr Examines probability laws, discrete and continuous random variables and their probability distributions, expectation, moments and moment generating functions, sequences of random variables and Markov chains. Prerequisite: MATH 430 or concurrent enrollment in MATH 430, and MATH 270</p>	<p>MATH 390 Numerical Analysis 3 cr Studies the approximation of polynomials at points and over intervals; numerical solutions of algebraic and transcendental equations in one unknown using geometric and arithmetic methods; numerical differentiation; and integration. Prerequisite: MATH 320</p>
<p>MATH 332 Probability and Statistics II 3 cr Examines functions of random variables, sampling distribution, limit theorems, estimation, hypotheses testing, linear regression, correlation, analysis of variance and analysis of enumerative data. Prerequisite: MATH 331</p>	<p>MATH 430 Calculus IV 3 cr Concludes the four-semester sequence of calculus with the study of functions in two or more variables, their derivatives and partial derivatives, multiple integrals, line and surface integrals, Green's Theorem and Stoke's Theorem. Prerequisite: MATH 330</p>
<p>MATH 340 Graph Theory 3 cr Investigates definitions and examples of graphs, graph isomorphism, paths and circuits, connectivity, trees, planar graphs, Euler's formula, graph coloring, four and five color theorems and applications. Prerequisite: MATH 240</p>	<p>MATH 440 Topology 3 cr Covers various topological spaces. Continuity, connectedness, and compactness are analyzed and compared. Applications of continuity will be applied to the contraction mapping principle. Analysis of product spaces and quotient spaces. Alternate topics may be discussed. Prerequisite: MATH 310</p>
<p>MATH 344 Geometry 3 cr Studies geometries from an advanced standpoint. Some of the topics that may be covered are non-Euclidean geometry, geometry of the complex plane, affine geometry or projective geometry. Prerequisite: MATH 310</p>	<p>MATH 444 Operations Research 3 cr Covers various interrelated topics such as linear programming, network analysis, game theory, probability and queuing theory, and optimization theory. Prerequisite: MATH 430</p>
<p>MATH 345 Game Theory 3 cr Introduces game theory terminology, zero-sum, two-person games, minimax theorem, optimal mixed strategies and applications to economics. Prerequisite: MATH 261</p>	<p>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</p>
<p>MATH 360 Number Theory 3 cr Introduces the basic concepts of number theory: the Euclidean algorithm, primes, divisibility theorems, Mersenne and Fermat numbers, linear Diophantine equations, congruences, unique factorization and quadratic reciprocity. Prerequisite: MATH 261</p>	<p>MATH 460 Real Analysis 3 cr Examines the basis of calculus with a rigorous exploration of the function concept from both a set-theoretic and topological viewpoint with particular attention to the completeness of the real number system, limits, continuity and convergence of sequences and series. Prerequisite: MATH 310, MATH 330</p>
<p>MATH 362 Abstract Algebra 3 cr Introduces the study of algebraic structures with a detailed examination of groups, their properties, and their mappings, including both isomorphic and homomorphic mappings. Cyclic, symmetric, and quotient groups will be studied, as well as groups of permutations, cosets, and normal subgroups. Also covers the Fundamental Homomorphism Theorem. Prerequisite: MATH 310</p>	<p>MATH 465 Financial Mathematics 3 cr Introduces the concepts of probability theory: discrete and continuous random variables, and their probability distributions. Covers Brownian motions and geometric Brownian motion, the binomial model, the Black-Scholes formula; the markets for futures, options, and other derivatives. Discusses the mechanics of trading, pricing, hedging, and managing risk using derivatives. Prerequisite: MATH 320</p>
<p>MATH 365 Mathematical Modeling 3 cr Explores the development of mathematical models that solve different types of problems, including both discrete and continuous real-world problems that are either deterministic or probabilistic. Determines solutions analytically and through the use of mathematical software. Prerequisite: MATH 320</p>	<p>MATH 486 Special Topics in Mathematics 1-4 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 Repeatable: Unlimited Credits</p>
<p>MATH 372 History of Mathematics 3 cr Examines the historical development of mathematics and its impact from ancient to modern times. Prerequisite: MATH 320</p>	<p>MATH 500 Independent Study 1-3 cr Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required. Prerequisite: Junior/senior status, department approval Repeatable: Maximum of 12 credits</p>
<p>MATH 380 Differential Equations 3 cr Examines first- and second-order differential equations with particular emphasis on nth order equations with constant coefficients, differential operators, systems of equations, series solutions, and Laplace transforms. Prerequisite: MATH 330, CSCI 121 or CSCI 246</p>	

MATH 540 Internship in Mathematics 3-15 cr

Qualified students may be placed as interns in mathematically oriented positions. The internship is designed to supplement and apply classroom study.

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 15 credits

Modern Language (MODL)

MODL 100 Introduction to Language 3 cr

Investigates the nature of language, its function, history and relationship to other aspects of human physical, social, psychological and cultural development. Covers phonetics, phonemics, syntax language acquisition, dialects, language change, discourse analysis, nonverbal and animal communication, language in society and other topics.

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.

Repeatable: Unlimited Credits

MODL 102 Special Topics in Modern Language 3 cr

Examines fundamental concepts regarding the relationship of the individual to language and culture. Topics will vary by semester and be identified by subtitle.

Attributes: Language Arts (CLA)

Repeatable: Unlimited Credits

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

Repeatable: Maximum of 6 credits

MODL 500 Independent Study 1-3 cr

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

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

Music (MUSI)

MUSI 159 Music Theory I 4 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. Includes Piano Lab.

MUSI 175 Home Studio Recording 3 cr

Introduces basic concepts of recording, mixing and editing music on a macbook. Course material includes microphone placement, recording, mixing and basic composition.

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.

Attributes: Core Creative Arts (CCA)

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.

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 Americans, and the wealth of ethnic culture in the North Adams area.

Attributes: Core Creative Arts (CCA)

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.

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

Attributes: Additional Fees Apply (FEE)

Repeatable: Maximum of 3 credits

MUSI 259 Music Theory II 4 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 and ear training. 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.

Repeatable: Unlimited Credits

MUSI 350 Instrumental Ensembles 1-3 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.

Repeatable: Unlimited Credits

<p>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 Repeatable: Unlimited Credits</p>	<p>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</p>	
<p>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</p>	<p>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</p>	
<p>MUSI 356 Guitar II 3 cr Develops intermediate-level performance skills. Prerequisite: MUSIC 256 or equivalent</p>	<p>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 Repeatable: Unlimited Credits</p>	
<p>MUSI 357 Vocal Ensembles 1-3 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. Repeatable: Unlimited Credits</p>	<p>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 Attributes: Additional Fees Apply (FEE) Repeatable: Maximum of 3 credits</p>	
<p>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 Attributes: Additional Fees Apply (FEE) Repeatable: Maximum of 3 credits</p>	<p>MUSI 459 Music Theory IV 3 cr Examines traditional techniques of musical form and their applications in historical and contemporary styles. Prerequisite: MUSI 359</p>	
<p>MUSI 359 Music Theory III 3 cr Continues materials presented in MUSI 259. Advanced work in harmonic analysis, secondary dominants, higher tertian chords, dictation and solfeg. Opportunities to improve conducting, performance, and composition skills. Further analysis of form, orchestration, arranging, and ear training. Prerequisite: MUSI 259</p>	<p>MUSI 475 Music Production Film 3 cr Continues MUSI 375. This course will examine the techniques and procedures of composing and recording music for specific uses with film. Students will create footage or explore outside sourced film and compose and/or mix music to be connected with aforementioned film. Students will explore the creative as well as the technical aspects of film music recording. Prerequisite: MUSI 375</p>	
<p>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</p>	<h2>Philosophy (PHIL)</h2>	
<p>MUSI 375 Advanced Studio Recording/Live Sound 3 cr Continues MUSI 175. This course investigates advanced techniques of recording and live-sounding mixing on hardware and software. Techniques include microphone placement, speaker and monitor mixing, cabling and sound board principles. Students will be prepared for internships, graduate school and employment. Prerequisite: MUSI 175</p>	<p>PHIL 100 A First Course in Philosophy 3 cr Engages students in the critical investigation and reflective analysis of such fundamental philosophical questions as freedom and moral responsibility, the nature of being and knowledge, the existence of God and the problem of evil, and individual rights and social justice. Emphasizes the relevance that philosophy has to contemporary problems and encourages students to think, read, write, and speak critically and thoughtfully. Attributes: Core Human Heritage (CHH)</p>	
	<p>PHIL 110 World Religions 3 cr Examines basic texts, concepts, presuppositions, and ways of life of several major religious traditions. Drawing on both sacred texts and scholarly analyses, as well as fictional and journalistic accounts, the course aims to understand and assess the meaning of religion in human life. Attributes: Core Human Heritage (CHH)</p>	

<p>PHIL 110H Honors: World Religions 3 cr</p> <p>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 meaning of religion in human life.</p> <p>Attributes: Core Human Heritage (CHH), Honors Program (HONR)</p>	<p>PHIL 285 Special Topics in Philosophy 3 cr</p> <p>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.</p> <p>Prerequisite: PHIL 100, sophomore status</p> <p>Repeatable: Unlimited Credits</p>
<p>PHIL 120 Art and Philosophy 3 cr</p> <p>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.</p> <p>Attributes: Core Creative Arts (CCA)</p>	<p>PHIL 300 Epistemology and Metaphysics 3 cr</p> <p>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.</p> <p>Prerequisite: A 100-level and a 200-level philosophy course</p>
<p>PHIL 120H Honors: Art and Philosophy 3 cr</p> <p>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.</p> <p>Attributes: Core Creative Arts (CCA), Honors Program (HONR)</p>	<p>PHIL 322 Business Ethics 3 cr</p> <p>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.</p> <p>Prerequisite: A 100-level and a 200-level philosophy course</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Leadership Minor (LDRS)</p>
<p>PHIL 200 Logic and Critical Reasoning 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH)</p>	<p>PHIL 325 Environmental Ethics 3 cr</p> <p>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.</p> <p>Prerequisite: A 100-level and a 200-level philosophy course</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Environmental Studies (ENVI)</p>
<p>PHIL 200H Honors: Logic and Critical Reasoning 3 cr</p> <p>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.</p> <p>Attributes: Core Human Heritage (CHH), Honors Program (HONR)</p>	<p>PHIL 335 Philosophy of Education 3 cr</p> <p>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.</p> <p>Prerequisite: A 100-level and a 200-level philosophy course</p>
<p>PHIL 240 Ancient Philosophy 3 cr</p> <p>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.</p> <p>Prerequisite: PHIL 100</p>	<p>PHIL 350 Contemporary Moral Issues 3 cr</p> <p>Views such issues as war and peace, world poverty, sexual morality and spirituality from the perspectives of traditional and contemporary ethical theories.</p> <p>Prerequisite: A 100-level and a 200-level philosophy course</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>
<p>PHIL 242 Modern Philosophy 3 cr</p> <p>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.</p> <p>Prerequisite: PHIL 100</p>	<p>PHIL 360 Social and Political Philosophy 3 cr</p> <p>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.</p> <p>Prerequisite: A 100-level and a 200-level philosophy course</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>
	<p>PHIL 375 Ethics and Animals 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status</p>

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.

Prerequisite: Junior/senior status

Attributes: Honors Program (HONR)

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

Repeatable: Unlimited Credits

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

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

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.

Prerequisite: A 100 or 200 level philosophy course

Attributes: Honors Program (HONR)

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

Repeatable: Unlimited Credits

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

Repeatable: Maximum of 6 credits

PHIL 500 Directed Independent Study

1-3 cr

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

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

Attributes: Honors Program (HONR)

Repeatable: Maximum of 12 credits

PHIL 540 Philosophy Internship

3-9 cr

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

Prerequisite: Senior status and department approval

Repeatable: Maximum of 15 credits

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.

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.

Attributes: Additional Fees Apply (FEE)

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.

Attributes: Additional Fees Apply (FEE)

PHED 110 Fundamentals of Tennis

1 cr

Instructs students in the fundamentals of tennis and game play.

PHED 113 Fundamentals of Beginning Badminton

1 cr

Provides the opportunity to learn skills and strategy of racket sports, specifically badminton.

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.

Attributes: Additional Fees Apply (FEE)

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.

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.

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.

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.

Attributes: Women Gender Sexuality Studies (WMST)

PHED 147 Fundamentals of Yoga 1 cr

Teaches the basic Hatha Yoga postures, breathing exercises and relaxation techniques.

PHED 150 Special Topics in Physical Education 1-2 cr

Introduces students to a variety of physical education activities. Activities vary according to teaching staff and student needs.

Repeatable: Unlimited Credits

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.

PHED 200 Exercise Injury Prevention and Care 3 cr

Explores fundamental principles of exercise safety, injury risk management and emergency care. Involves the study of orthopedic injury, environmental illness, eating disorder and concussion. Certification of CPR/AED and first aid for the adult, child and infant is provided upon completion of the course. Extra course fee required.

Attributes: Additional Fees Apply (FEE)

PHED 215 Lifetime Wellness 3 cr

Helps students develop a set of health behaviors that constitute what is generally considered to be a high energy lifestyle. These behaviors stress responsibility for one's health. Areas covered are physical fitness, nutrition and weight control, stress management, substance abuse, sexually transmitted disease and chronic disease.

Attributes: Core Health and Wellness (CHW)

PHED 300 Fundamentals of Coaching 3 cr

Facilitates an understanding of sport coaching based on fundamental principles that appropriately guide coaching behaviors. Involves the study and professional development of aspects related to sport coaching, including but limited to: leadership, sportsmanship, legal aspects, ethics, psychosocial aspects, interscholastic rules, organization and administrative aspects.

Prerequisite: Sophomore status

PHED 395 Special Topics in Physical Education 1-3 cr

Explores a specific aspect related to physical education, athletics, coaching or sports medicine. Content identifiable by subtitle.

Prerequisite: Department approval

Repeatable: Unlimited Credits

PHED 500 Independent Study 1-3 cr

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

Prerequisite: Junior/senior status, department approval

Repeatable: Maximum of 12 credits

PHED 540 Internship in Sport Coaching 3 cr

Provides hands-on experience in the field of sports coaching. Students will utilize acquired knowledge, skills and abilities in various aspects of coaching in a sports-related environment. Requires 135 on-site hours. Graded on Pass/Fail basis.

Prerequisite: PHED 200 and PHED 300

Physics (PHYS)

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.

Attributes: Core Science & Tech w/lab (CSTL)

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.

Attributes: Core Science & Tech w/lab (CSTL)

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.

Prerequisite: PHYS 131

Attributes: Core Science & Tech w/lab (CSTL)

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.

Attributes: Core Science & Tech w/o lab (CST)

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.

Prerequisite: MATH 150 or MATH 220 or concurrent enrollment in MATH 220

Attributes: Core Science & Tech w/lab (CSTL)

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.

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.

Prerequisite: PHYS 151, MATH 220

Attributes: Core Science & Tech w/lab (CSTL)

<p>PHYS 252 Introduction to Waves, Optics, and Relativity 4 cr</p> <p>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.</p> <p>Prerequisite: PHYS 251, MATH 320 or concurrent enrollment in MATH 320</p>	<p>PHYS 460 Statistical Thermodynamics 3 cr</p> <p>Studies statistical techniques applied to physical phenomena. Topics include kinetic theory of gasses, classical thermodynamics and quantum statistical physics.</p> <p>Prerequisite: PHYS 252</p>
<p>PHYS 301 Classical Mechanics 3 cr</p> <p>Studies particle motion in two- and three-dimensions, systems of particles, rigid bodies, moving coordinates systems, and Lagrange's equations.</p> <p>Prerequisite: PHYS 252, MATH 330</p>	<p>PHYS 471 Quantum Mechanics 3 cr</p> <p>Studies inadequacies of classical mechanics and explores ways of describing nature at the atomic level. Topics include the Schrödinger equation and its solutions for various simple systems, expectation values, operator formalism and matrix representation.</p> <p>Prerequisite: PHYS 351</p>
<p>PHYS 303 Electricity and Magnetism 3 cr</p> <p>Studies electrostatics, magnetostatics, electrodynamics, Maxwell's equations and its applications. Applications include electromagnetic properties of matter, wave propagation, radiating systems and special relativity.</p> <p>Prerequisite: PHYS 252, MATH 330</p>	<p>PHYS 499 Teaching Assistantship in Physics 1-3 cr</p> <p>Provides the opportunity for a student to assist in the preparation and/or implementation of a physics course.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 6 credits</p>
<p>PHYS 305 Electronics 3 cr</p> <p>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.</p> <p>Prerequisite: PHYS 351</p>	<p>PHYS 500 Directed Independent Study 1-3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status, department approval</p> <p>Repeatable: Maximum of 12 credits</p>
<p>PHYS 351 Modern Physics 4 cr</p> <p>Studies the discovery of various physical phenomena which led to the development of quantum mechanics and introductory quantum mechanics. Required laboratory.</p> <p>Prerequisite: PHYS 252</p>	<p>PHYS 510 Independent Research 1-3 cr</p> <p>Participation in research in physics under the direction of a member of the physics faculty in a specific area.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 12 credits</p>
<p>PHYS 361 Mathematical Physics 3 cr</p> <p>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.</p> <p>Prerequisite: MATH 320</p>	<p>PHYS 540 Physics Internship 3-15 cr</p> <p>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.</p> <p>Prerequisite: Department approval, junior/senior status</p> <p>Repeatable: Maximum of 15 credits</p>
<p>PHYS 401 Advanced Physics Laboratory I 3 cr</p> <p>Studies laboratory techniques to supplement senior physics courses or work on special projects with departmental approval. Use of current computer technology is integral.</p> <p>Prerequisite: PHYS 252</p>	<p>PHYS 580 Special Topics in Physics 1-4 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Unlimited Credits</p>
<p>PHYS 402 Advanced Physics Laboratory II 3 cr</p> <p>Continues Physics 401. Use of current computer technology is integral.</p> <p>Prerequisite: PHYS 401</p>	
<p>PHYS 403 Introduction to Particle Physics 3 cr</p> <p>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.</p> <p>Prerequisite: PHYS 351</p>	

Political Science (POSC)

<p>POSC 201 United States Government 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS), Environmental Studies (ENVI)</p>	
<p>POSC 202 Comparative Government 3 cr</p> <p>Provides a comparative introduction to common political problems and the discipline of political science. Through an interdisciplinary study of various nation-states, students will develop an understanding of political behavior, political institutions, and public policy processes.</p> <p>Attributes: Core Self & Society (CSS), Environmental Studies (ENVI)</p>	

<p>POSC 210 Political Science Research and Methods 3 cr</p> <p>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.</p>	<p>POSC 315 Topics in United States Political Science 3 cr</p> <p>Focuses on aspects of issues and topics in political science and public policy that are at least mainly geared towards understanding the United States case and the corresponding academic research. Emphasis is placed on critical thinking, writing skills, and engagement with the political science literature. Examples of topics in this area include: State and Local Government, Campaigns and Elections, Women in Politics.</p> <p>Prerequisite: Junior/senior status or POSC 210</p> <p>Repeatable: Unlimited Credits</p>
<p>POSC 300 Politics & the News Media 3 cr</p> <p>Examines politics in 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.</p> <p>Prerequisite: Junior/senior status or POSC 210</p>	<p>POSC 316 Topics in Global Political Science 3 cr</p> <p>Focuses on aspects of issues and topics in political science and public policy that involve extensive analysis of international relations or comparative politics and the corresponding academic research. Emphasis is placed on critical thinking, writing skills, and engagement with the political science literature. Examples of topics include: Model UN, Latin American Politics & Society, and Global Development.</p> <p>Prerequisite: Junior/senior status or POSC 210</p> <p>Repeatable: Unlimited Credits</p>
<p>POSC 302 Campaigns and Elections 3 cr</p> <p>Focuses on theories surrounding American campaigns and elections for presidential and congressional elections. In this course, we will analyze how the structures of the American political system have changed over time and how/why candidates run, win, and lose office. Further, we will explore the role American voters play in the political process and how their attitudes, opinions, and ideologies influence candidate choice and voting behavior.</p> <p>Prerequisite: Junior/senior status or POSC 210</p>	<p>POSC 323 Political Psychology 3 cr</p> <p>Focuses on why people think, act, and reason the way they do in the realm of politics. Are they acting this way with or without consciousness? The class largely focuses on individual-level political decision-making but we also examine group behavior and choice. By the end of this course, students will have a clear understanding in how political behavior and information processing impacts personal decision-making, politicians, researchers, and the media.</p> <p>Prerequisite: Junior/senior status or POSC 210</p>
<p>POSC 304 Constitutional Law 3 cr</p> <p>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.</p> <p>Prerequisite: Junior/senior status or POSC 210</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>	<p>POSC 330 Latin American Politics and Society 3 cr</p> <p>Provides an introduction to recent Latin American political history. The course especially looks at developments and debates in three areas: the evolution and quality of democracy; socioeconomic models, policies and outcomes; and, U.S. - Latin American relations. In examining these topics and others, attention is split between examining the relevant academic research and exploring country case studies and current events.</p> <p>Prerequisite: Junior/senior status or POSC 210</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>
<p>POSC 307 State and Local Politics 3 cr</p> <p>Focuses on structure, policy-making decisions, and functions in state and local government, especially in North Adams and the Berkshires. Utilizes the comparative method to examine the similarities and differences between state and local governments across the US.</p> <p>Prerequisite: Junior/senior status or POSC 210</p>	<p>POSC 333 The Politics of War and Conflict 3 cr</p> <p>Explores issues in war and peace within countries and in the international system. Uses political science theories and recent cases to analyze the origins, evolution and resolution of various forms of conflict, including civil war, terrorism, and revolution.</p> <p>Prerequisite: Junior/senior status or POSC 210</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>
<p>POSC 308 Women and Politics 3 cr</p> <p>Analyzes how the structure and rules of the American political system influence how women participate in politics. Specifically, the course focuses on women politicians by looking at theories of ambition, stereotypes, and partisanship, amongst others, that impact a woman's decision to run for office and then win election. These topics are presented in a comparative nature by gender and party and across all levels of government.</p> <p>Prerequisite: Junior/senior status or POSC 210</p> <p>Attributes: Women Gender Sexuality Studies (WMST)</p>	<p>POSC 340 Inequality and Social Policy 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100 or any Self & Society course</p> <p>Attributes: Child & Family Studies Minor (C&FS), Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)</p>
<p>POSC 313 American Political Institutions 3 cr</p> <p>Surveys the three branches of the national government in the United States: Congress, the Presidency, and the Supreme Court. Using a variety of theoretical models, this course seeks to explain how the structure of these institutions affects behavior of actors in the institutions, outcomes as a result of those behaviors, and the practical process of policy formulation.</p> <p>Prerequisite: Junior/senior status and POSC 201 or POSC 201 and POSC 210</p>	

<p>POSC 343 Political Economy 3 cr</p> <p>Analyzes the intersection of politics and economics both domestically and internationally in order to understand the accumulation and distribution of power and wealth. Uses theories from both political science and economics to explore issues such as taxation, redistribution, poverty, trade, finance, and immigration.</p> <p>Prerequisite: Junior/senior status or POSC 210</p>	<p>POSC 450 Career and ePortfolio Workshop 1 cr</p> <p>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.</p> <p>Prerequisite: PSPP Major, senior status</p>
<p>POSC 345 Model United Nations 3 cr</p> <p>Focuses on the structure of the international system and also prepares students for one or more university-level Model United Nations conferences. Students will learn about the history, mandate and organizational structure of the United Nations and related organizations. They will also practice public speaking, memo writing, parliamentary procedure and other skills necessary to excel in MUN conferences. This course may be repeated once.</p> <p>Prerequisite: Junior/senior status or POSC 210</p> <p>Repeatable: Maximum of 6 credits</p>	<p>POSC 500 Independent Study 1-3 cr</p> <p>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.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 12 credits</p>
<p>POSC 401 Seminar in Political Science 3 cr</p> <p>Explores in depth a particular problem, concept, or theme in political science using advanced research methods. Possible topics include: The American Presidency; Global Development; The American Political Tradition; Political Psychology.</p> <p>Prerequisite: Junior/senior status and one POSC course</p> <p>Repeatable: Unlimited Credits</p>	<p>POSC 510 Teaching Assistant in Political Science 3 cr</p> <p>Offers highly qualified majors or minors in political science an opportunity to assist an instructor in the conduct of a course. The student may be held responsible for conducting classes, review sessions, consulting on course materials, etc.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 6 credits</p>
<p>POSC 405 Race and Ethnic Politics 3 cr</p> <p>Focuses on the political similarities and differences between African Americans/blacks, Latinos/Hispanics, American Indians, and Asian Americans. We will take a specific look at topics of intersectional identity, inter-minority group relations, and racial resentment. The course covers the political challenges each of these groups face, racial demographics across and within the states, voting behavior, and how race plays a role in elections, policymaking, and policy effects.</p> <p>Prerequisite: Junior/senior status and at least one POSC course</p>	<p>POSC 540 Internship in Political Science 1-15 cr</p> <p>In consultation with a political science professor, students may apply for and earn internship credit by interning with elected officials or at local or town governments, state governments, national governments. Students may also intern for election campaigns, non-governmental organizations, law offices, interest groups, or other placements approved by the department. Internships are evaluated by a combination of site coordinator evaluations, student reports, and a debriefing memo.</p> <p>Prerequisite: Department approval</p> <p>Repeatable: Maximum of 15 credits</p>
<p>POSC 415 US Foreign Policy 3 cr</p> <p>Focuses on the destabilizing forces, complex challenges, and exciting opportunities of the international system and their relation to the US and its foreign policy. How does the US determine when and how to act in international affairs? This course will familiarize students with the institutions and actors that shape US foreign policy, the major theories that explain these processes and outcomes, and significant cases where US foreign policy played an important role.</p> <p>Prerequisite: Junior/senior status and at least one POSC course</p>	<p>Psychology (PSYC)</p>
<p>POSC 420 Global Development 3 cr</p> <p>Focuses initially on the large socioeconomic inequality between countries across the globe. Does this gap have more to do with exploitation by foreign powers, the quality of domestic governance, or a country's environment and geography? What can be done about global poverty and inequality? This course will provide students a variety of tools for examining competing answers to these questions while improving their knowledge of the politics, economics, and cultures of less-developed countries.</p> <p>Prerequisite: Junior/senior status and at least one POSC course</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>	<p>PSYC 100 Introduction to Psychology 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS)</p> <p>PSYC 101 Introductory Seminar in Psychology 1 cr</p> <p>Introduces new psychology majors to the scientific basis of psychology through interactions with faculty, student mentors, and community professionals. Explores unique opportunities within the major and the college (research, internships, study away/abroad). Students will create a psychology major portfolio and will begin to document their learning and engagement with the discipline. Required for all MCLA psychology majors.</p> <p>Prerequisite: PSYC Major</p> <p>PSYC 208 Applied Developmental Psychology 3 cr</p> <p>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).</p> <p>Prerequisite: PSYC 100 or any Self and Society course</p> <p>Attributes: Child & Family Studies Minor (C&FS)</p>

<p>PSYC 208H Honors: Applied Developmental Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: PSYC 100 or any Self and Society course, Attributes: Honors Program (HONR)</p>	<p>PSYC 310 Cognitive Psychology 3 cr</p> <p>Studies knowing, learning, thinking and language. Topics include theories of cognition, language, attention, problem solving, memory, consciousness and creative thinking.</p> <p>Prerequisite: PSYC 291</p>
<p>PSYC 210 Developmental Psychology 3 cr</p> <p>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).</p> <p>Prerequisite: PSYC 100 or any Self and Society course Attributes: Child & Family Studies Minor (C&FS)</p>	<p>PSYC 316 Behavior Analysis 3 cr</p> <p>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.</p> <p>Prerequisite: PSYC 100</p>
<p>PSYC 230 Social Psychology 3 cr</p> <p>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).</p> <p>Prerequisite: PSYC 100 or any Self and Society course Attributes: Core Self & Society (CSS), Leadership Minor (LDRS)</p>	<p>PSYC 325 Environmental Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain</p>
<p>PSYC 270 Abnormal Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: PSYC 100 or any Self & Society course</p>	<p>PSYC 331 Biological Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: PSYC 291</p>
<p>PSYC 290 Psychological Research and Statistics I 4 cr</p> <p>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.</p> <p>Prerequisite: PSYC 100 and Tier I Quantitative Reasoning</p>	<p>PSYC 332 Drugs and Human Behavior 3 cr</p> <p>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.</p> <p>Prerequisite: One 200-level PSYC course or completion of Self and Society domain</p>
<p>PSYC 291 Psychological Research and Statistics II 4 cr</p> <p>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.</p> <p>Prerequisite: Grade of C or better in PSYC 290</p>	<p>PSYC 335 Organizational Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: 200 level PSYC or SOCI or BADM course or completion of Tier II Self & Society domain Attributes: Leadership Minor (LDRS)</p>
<p>PSYC 299 Sophomore Seminar in Psychology 3 cr</p> <p>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.</p> <p>Prerequisite: PSYC 100</p>	<p>PSYC 340 Psychology of Children with Special Needs 3 cr</p> <p>Examines the special needs of children, the methods used to determine these needs, and the procedures used to meet these needs.</p> <p>Prerequisite: PSYC 208 or PSYC 210 Attributes: Child & Family Studies Minor (C&FS)</p>
<p>PSYC 301 Psychology Professional Seminar 1 cr</p> <p>Provides junior and senior psychology majors with an opportunity to reflect on their past work in the major. Explores opportunities and interests in preparation for careers and graduate study in the field. Students will work with the instructor and other professionals to develop and implement strategies for success after MCLA. Required for all MCLA psychology majors.</p> <p>Prerequisite: PSYC 101, junior status, PSYC Major</p>	<p>PSYC 350 Theories of Personality 3 cr</p> <p>Examines classical and contemporary approaches to personality theory. Emphasizes application and empirical support for theoretical positions.</p> <p>Prerequisite: PSYC 270 and junior status</p>
	<p>PSYC 355 Human Sexuality 3 cr</p> <p>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.</p> <p>Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)</p>

- 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.
Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain
Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)
- PSYC 357 Psychology of Women** 3 cr
Explores psychological and sociocultural issues concerning women in our society. Women's experiences will be covered in areas that are stereotypically thought of as male-oriented as well as those more exclusive to females.
Prerequisite: 200 level PSYC or SOCI course or completion of Tier II Self & Society domain
Attributes: Women Gender Sexuality Studies (WMST)
- 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
Repeatable: Maximum of 8 credits
- 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 376 Sport Psychology** 3 cr
Introduces students to the current research and theoretical perspectives related to various psychological and psychosocial components of exercise, sport participation and competition. Personality, motivation, social facilitation, anxiety, aggression and other factors that influence individuals and teams/groups are examined.
Prerequisite: Completion of Tier II Self & Society domain
- PSYC 380 Educational Psychology** 3 cr
Studies the conditions and theories of classroom learning. Scope: instructional objectives, task analysis, conditioning, concept and rule learning, problem solving, memory, transfer and motivation.
Prerequisite: PSYC 208 or PSYC 210
Attributes: Child & Family Studies Minor (C&FS)
- PSYC 386 Adolescent Development** 3 cr
Examines the cognitive, social, emotional and physical development of the adolescent from a psychological perspective. Psychological and social problems that may arise during adolescence are discussed.
Prerequisite: One 200-level PSYC course
Attributes: Child & Family Studies Minor (C&FS)
- PSYC 387 Childhood Disorders** 3 cr
Examines the etiology and clinical characteristics of behavioral disorders in infancy through adolescence, including emotional disturbances, anxiety and conduct disorders, mental retardation and learning disabilities. Emphasis on theoretical perspectives, research, assessment, early intervention and prevention.
Prerequisite: PSYC 208 or PSYC 210
Attributes: Child & Family Studies Minor (C&FS)
- 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** 1-3 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
Repeatable: Maximum of 6 credits
- PSYC 397 Research Seminar:** 4 cr
Applies research design and practice to selected problems. Includes literature review, deriving and empirically testing hypotheses. Requirements involve preparation of laboratory and other research materials, recruitment of participants and collection, analysis, and interpretation of resulting data. Culminates in preparation and submission of a complete report of the research project. Content identified by subtitle. This course is repeatable for a maximum of 8 crs. Required laboratory.
Prerequisite: Instructor approval
Repeatable: Maximum of 8 credits
- PSYC 399 Honors Seminar in Psychology** 3 cr
Surveys and critically examines selected areas and issues in psychology. Emphasizes multidisciplinary and interdisciplinary approaches to the topics selected for study. Designed for junior and senior majors intending graduate study in psychology, the seminar requires students to develop a program of reading, give oral presentations and complete a literature review paper.
Prerequisite: PSYC 291
- PSYC 410 History of Psychology** 3 cr
Examines the development of psychology as a science, an academic discipline, and a profession. Includes a comparative analysis of major contemporary theories in psychology.
Prerequisite: PSYC 291 and completion of 9 upper-division credits in psychology
- PSYC 416 Research in Behavior Analysis** 4 cr
Participate in the design, implementation, analysis and dissemination of empirical research. Students will examine the strategies and rationale underlying within-subject designs through exposure to recently published articles from the behavior analytic literature. The relationship between experimental and applied research will be examined closely. All students will prepare an APA-style manuscript describing their research project. Required laboratory.
Prerequisite: PSYC 316
- PSYC 440 Counseling Methods in Psychology** 3 cr
Studies techniques applicable in the helping services and counseling. Theories of counseling and basic psychotherapy will be reviewed. Experiential sessions will demonstrate established theories.
Prerequisite: PSYC 270

- PSYC 470 Teaching Assistant in Psychology** 1-3 cr
Provides the opportunity for students to assist a faculty member in the preparation and implementation of a psychology course. Particular responsibilities may include providing support with class activities and assisting students enrolled in the course. Amount of credit will be determined by the faculty supervisor in consultation with the student. The course is graded pass/fail. Enrollment requires permission of instructor.
Prerequisite: Instructor approval
Repeatable: Maximum of 6 credits
- PSYC 495 Special Topics in Psychology** 3 cr
Explores one or more special topics in psychology. Topic will be specified when the course is offered.
Prerequisite: Junior/senior status and completion of Tier II Self & Society domain
Repeatable: Unlimited Credits
- PSYC 496 Research in Psychology** 3 cr
For junior and senior psychology majors who choose to conduct psychological research independently in a specific area. The research will be carried out under the direction of the faculty supervisor and will require a substantive scholarly report of the research. The course may be repeated for credit with the permission of a faculty member. The course is graded pass/fail. Enrollment requires permission of the instructor.
Prerequisite: Instructor approval
Repeatable: Unlimited Credits
- PSYC 499 Advanced Seminar in Psychology** 3 cr
An intensive examination of a selected topic in psychology. Mastery of the seminar material will be assessed by the completion of an APA-style paper.
Prerequisite: PSYC 291 and completion of 9 upper-division credits in PSYC
- PSYC 500 Independent Study** 1-3 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
Repeatable: Maximum of 12 credits
- PSYC 516 Functional Assessment and Intervention** 3 cr
Receive an intensive overview of behavioral 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 518 Ethics and Professional Issues in Behavior Analysis** 3 cr
Designed to familiarize students with the ethical principles of behavior analysis and the historical contexts in which they developed. We will examine ethics as they apply to research, clinical practice, and the role of the behavior analyst in society.
Prerequisite: PSYC 316
- PSYC 540 Psychology Internship** 3-15 cr
Provides opportunities in a variety of public agencies and private organizations to gain practical experience and to develop skills in applying psychological theories, principles, methods and techniques to the management of problems of human development, thought, adjustment and behavior. Enrollment requires individual application and permission of the department.
Prerequisite: Junior/senior status, department approval
Repeatable: Maximum of 15 credits
- 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

Radiologic Science (RADS)

- RADS 220 Radiographic Positioning I** 4 cr
Provides the student with basic knowledge and skill as well as the anatomy and the anatomical relationships necessary to perform basic radiographic procedures of the chest, abdomen, upper extremities, lower extremities, the shoulder girdle, hip, and pelvis. Laboratory demonstration will be used to complement the lectures in this course.

- RADS 230 Radiographic Equipment** 4 cr
Includes a study of the fundamental units of measure, the structure of matter, and the concepts of work, force, and energy, a study of elementary electricity and an examination of the relationship between magnetism and electricity - fundamental to the basic operation of many x-ray circuit components. The student will also learn the construction, function, principle of operation, and location of many of the x-ray equipment components. The student will demonstrate knowledge and understanding of the x-ray tube and circuit as well as electron interactions with matter that are used to create x-radiation. The student will also learn about basic radiation units of measurement and other concepts related to radiation protection.
- RADS 300 Digital Imaging, Processing and Quality Assurance** 2 cr
Introduces the student to the study of the components, principles, and operation of digital imaging systems and factors that impact image acquisition, display, and retrieval in radiology along with the principles of digital system quality assurance and maintenance. In addition, the student will be introduced to the important concept of quality assurance, quality control, and quality assessment, which is necessary for the continued production of quality diagnostic radiographic images.
- RADS 310 Radiologic Sciences Patient Care and Introduction to Clinical Education** 4 cr
Provides an emphasis on critical-thinking skills while students learn the fundamentals of patient care principles and skills needed for their initial clinical experiences. Content provides the concepts of optimal patient care, including consideration for physical and psychological needs of the patient and the family. Routine and emergency patient care procedures as well as infection control practice methods using standard precautions are discussed. The student will learn foundational skills needed for the clinical setting within the areas of communication, diversity patient education, and privacy. Basic safety procedures in the areas of radiation protection, equipment, proper body mechanics, and safe patient transfer will be discussed. Students are introduced to medico-legal aspects and issues affecting all imaging professionals. An introduction into contrast media, its applications in imaging and categories of reactions will be reviewed. Demonstration ability includes application of vital signs including respiration, pulse oximetry, heart rate, blood pressure, and the essentials of electrocardiograms(EKG) as well as recognized changes in a patient's well-being; safe transport of patients, effective communication with various types of patients, and current information and practices in infection control. Clinical practice will begin six weeks into the semester. Basic imaging procedures are observed and practices. Mastery is obtained through comprehensive competency examination of specific body areas. The course will consist of lecture, demonstration, laboratory and clinical experiences.
- RADS 315 Radiologic Sciences Ethics** 4 cr
This is a mid-level course in professional ethics. It is designed in particular for psychology, nursing, radiologic tech and criminal justice majors and focuses on the ethics of professional conduct within the helping professions. Basic course themes will focus on ethical decision-making, behavior, managing dilemmas and conflict and problem-solving, the maintenance of ethical conduct and leadership. The course seeks to illuminate and balance theory and best practices through the use of case studies, films, literature, simulations and guest speakers. It will integrate historical and contemporary issues that range from the individual to the institutional and systemic. Multicultural issues will also be considered and addressed.
- RADS 320 Radiographic Positioning II** 4 cr
Provides the student basic knowledge and skill as well as the anatomy and the anatomical relationships necessary to perform basic radiographic procedures of the vertebral column, the bony thorax, the skull, facial bones, and upper and lower gastrointestinal series. Laboratory demonstration will be used to complement the lecture portion of this course.
Prerequisite: RADS 220
- RADS 330 Radiographic Exposures** 4 cr
Builds upon the concepts learned in RADS 230 and is designed to introduce the student to the physical principles governing x-rays, x-ray production, and x-ray beam characteristics as they relate to quality, improved patient care, and protection. It will include an in-depth examination of radiographic prime factors and x-ray interactions with matter. The course introduces the student to the area of radiographic technique, including influencing factors like filtration, beam restriction, and grid use. The student is introduced to the fluoroscopic tube, image intensification, and the principles associated with dynamic imaging.
Prerequisite: RADS 230, instructor approval
- RADS 350 Radiation Protection & Biology** 2 cr
Provides the student with an advanced understanding and overview of the principles of radiation protection so that the student and others are protected from exposure to ionizing radiation. The student will examine the characteristics of radiation and how radiation affects cell biology. The student will also apply standards and guidelines for radiation exposure.
- RADS 355 Clinical Radiography I** 4 cr
The first in a series of four, which will provide the student an opportunity to interact with patients and healthcare team members in a healthcare imaging department. This clinical experience is to assist students in gaining mastery of the methods needed to deal effectively with these interactions. This course utilizes concepts and knowledge obtained from both lecture and laboratory experience. The areas of clinical rotation coincide with the exams taught in RADS 220 and concurrently in RADS 320. Mastery is obtained through comprehensive competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist.
Prerequisite: Instructor approval
- RADS 365 Clinical Radiography II** 6 cr
Second in a series of four, which will provide the student an opportunity to interact with patients and healthcare team members in a healthcare imaging department. This clinical experience is to assist students in gaining mastery of the methods needed to deal effectively with these interactions. This course utilizes concepts and knowledge obtained from both lecture and laboratory experience and furthers experience in the areas of trauma, surgical, and fluoroscopic examinations. Mastery is obtained through comprehensive competency examination of specific body areas. Students will perfect patient care skills and radiation safety procedures under direct supervision and where applicable indirect supervision of a radiologic technologist.
- RADS 370 Radiographic Pathology** 2 cr
Provides the student with an understanding of the basic description and clinical manifestation of some of the most common pathological conditions. The student will be able to identify certain radiographic features. The student will also learn the characteristics of the disease or disorder and how technical values need to be changed to compensate for density differences produced by various pathological conditions. The student will be able to identify the radiographic appearance of specific diseases.
Prerequisite: Instructor approval

RADS 420 Advanced Imaging and Pharmacology

4 cr

Provides the student with the knowledge and skill necessary to perform advanced radiographic procedures including angiography, arthrogram, myelogram, sialogram, venogram, hysterosalpinogram, and interventional radiography. Included in this aspect of imaging is an overall understanding of the importance of pharmacologic principles and practices in radiological sciences. This course will also introduce student to other area specialties found in the radiology field.

RADS 440 Radiographic Critique and Analysis

4 cr

Enhances the student's knowledge of factors that influence the production of the radiographic image and the correlation involved with radiographic critique. The course is designed to bridge the gap between patient positioning and the resulting radiograph by introducing the student to the area of technical factors and showing the relationship among recorded detail, radiographic density, and radiographic contrast.

Prerequisite: Instructor approval

RADS 455 Clinical Radiography III

4.5 cr

Is the third in a series of four, which will provide the student an opportunity to interact with patients and healthcare team members in a healthcare imaging department. This clinical experience is to assist students in gaining mastery of the methods needed to deal effectively with these interactions. This course utilizes concepts and knowledge.

RADS 461 Principles of Computed Tomography I

4 cr

First of a three-course set in Computed Tomography (CT) Imaging. This specific course focuses on the basic fundamentals of CT including the history, equipment instrumentation, and quality control. Specific aspects of data acquisition, digital analysis, and image processing and reconstruction are also addressed. This course includes 40 hours of clinical observations in CT. Students must receive a grade of C or higher to progress to RADS 462

RADS 462 Principles of Computed Tomography II

4 cr

Second of a three-course set in Computed Tomography (CT) Imaging. This specific course focuses on CT exam procedures, cross-sectional anatomy, pathology, and radiation protection practices. Specific aspects of patient care, communication, contrast agents, and injection techniques are also addressed. This course includes 60-80 hours of clinical observation and training in CT. (Students must hold a primary ARRT registry for hand-on clinical training.) Certification is earned upon successful completion (grade of C or higher) of the two required courses RADS 461 and RADS 462).

Prerequisite: Instructor approval

RADS 465 Clinical Radiography IV

4.5 cr

Fourth in a series of four, which provides the student an opportunity to interact with patients and healthcare team members in a healthcare imaging department. This clinical experience is to assist students in gaining mastery of the methods needed to deal effectively with these interactions. This course utilizes concepts and knowledge obtained from both lecture and laboratory experience. Proficiency and mastery are obtained through comprehensive competency examination of specific body areas and completion of the Final Affective Clinical Evaluation (F.A.C.E.) Exam. Students will practice patient care skills and radiation safety procedures under direct supervision and, where applicable, indirect supervision of a registered radiologic technologist.

Prerequisite: Instructor approval

RADS 470 Principles of Mammography I

4 cr

First of a three-course set in Mammography. The complete set provides a formal specialized training in Mammography preparing an individual to become a competent, technically proficient, entry-level Mammography technologist. Upon successful completion of the three-course set, students will be eligible to make application to take the advanced post-primary certification examination provided by the American Registry of Radiologic Technologist (ARRT). This specific course focuses on the basic fundamentals of Mammography including the history, equipment instrumentation, and Quality Control as well as in-depth breast anatomy, physiology, and pathology. This course will use the ASRT Breast Imaging Essential (Institutional) Series and includes 40 hours of clinical observation.

RADS 471 Principles of Mammography II

4 cr

Second of a three-course set in Mammography. The complete set provides a formal specialized training in Mammography preparing an individual to become a competent, technically proficient, entry-level Mammography technologist. Upon successful completion of the three-course set, students will be eligible to make application to take the advanced post-primary certification examination provided by the American Registry of Radiologic Technologist (ARRT). This specific course focuses on Mammographic procedures and techniques, patient care, Mammography image evaluation, Breast Ultrasound, and Digital Breast Tomosynthesis. This course will use the ASRT Breast Imaging Essential (Institutional) Series and includes 50-60 hours of clinical observation in both Mammography and breast ultrasonography. Certification is earned upon successful completion (grade of C or higher) of the two required courses (RADS 470 and RADS 471).

Prerequisite: Instructor approval

RADS 480 Senior Seminar: Program Capstone

2 cr

Interactive seminar that focuses on factors impacting decision-making related to delivery of healthcare and radiologic practice. Topics addressed include recent scientific findings in related fields of medicine, imaging modalities, and the future of radiographic study. This course is designed to review all aspects of radiology and prepare the student for the healthcare workforce and the American Registry of Radiologic Technologist (ARRT) examination.

Prerequisite: Instructor approval

Radiologic Technology (RADT)

RADT 300 Introduction to Radiologic Technology

2 cr

Emphasizes critical thinking and patient care principles needed for initial clinical experiences. Topics include physical and psychological needs of the patient and family, routine and emergency patient care procedures, infection control, communication, diversity, patient education, privacy, medico-legal issues, radiation protection, proper body mechanics, safe patient transfer, and contrast media's imaging applications and reactions. Successful completion requires a minimum grade of C+.

Prerequisite: Program acceptance

<p>RADT 305 Radiographic Physics 3 cr Introduces concepts of physics applied to x-ray generating equipment, including radiologic science, atomic structure, structure of matter, radiation quantities and units, fundamentals of electromagnetic radiation, electricity, magnetism, force and energy, electron interactions with matter, and the relationship between magnetism and electricity with focus on application to x-ray circuit components and generators. Successful completion requires a minimum grade of C+. Additional fee required. Prerequisite: Minimum grade of C+ in MATH 150 and program acceptance Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 350 Radiation Protection and Biology 3 cr Provides an advanced understanding and overview of the principles of radiation protection to allow protection from exposure to radioactivity. Introduces characteristics of radiation as they apply to impacts of radiation on cell biology. Requires application of standards and guidelines for radiation exposure. Successful completion requires a minimum grade of C+. Additional fee required. Prerequisite: RADT 330 with a minimum grade of C+ Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 310 Radiographic Positioning I 4 cr Provides knowledge required to perform radiographic procedures on the chest, abdomen, upper extremities, lower extremities, shoulder girdle, hip and pelvis, with application to human anatomy. Emphasizes concepts and criteria needed to produce and evaluate quality radiographs. Pathological disorders, classification of diseases, and additive and destructive conditions will also be discussed. Required laboratory. Successful completion requires a minimum grade of C+. Additional fee required. Prerequisite: BIOL 342 and BIOL 343 with a minimum grade of C+ and program acceptance Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 355 Clinical Radiography I 2 cr Allows interaction with patients and health care team members in a health care imaging department. This first clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required. Prerequisite: RADT 300 with a minimum grade of C+ Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 320 Radiographic Positioning II 4 cr Provides knowledge required to perform radiographic procedures on the vertebral column, bony thorax, skull, facial bones, and upper and lower gastrointestinal tract, with application to human anatomy. Emphasizes concepts and criteria needed to produce and evaluate quality radiographs. Pathological disorders, classification of diseases, and additive and destructive conditions will also be discussed. Required laboratory. Successful completion requires a minimum grade of C+. Additional fee required. Prerequisite: RADT 310 with a minimum grade of C+ Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 365 Clinical Radiography II 3 cr Allows interaction with patients and health care team members in a health care imaging department. This second clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required. Prerequisite: RADT 310 with a minimum grade of C+ Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 330 Radiographic Exposures 3 cr Introduces the physical principles governing x-rays, x-ray production, and x-ray beam characteristics as they relate to quality, improved patient care and protection. Topics include image production factors, x-ray interactions with matter, fluoroscopic x-ray tubes and image intensifier, principles associated with dynamic imaging, radiographic technique includes x-ray beam filtration, beam restriction, and grid use. Successful completion requires a minimum grade of C+. Additional fee required. Prerequisite: RADT 305 with a minimum grade of C+ Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 370 Radiographic Pathology 3 cr Provides an understanding of the clinical manifestations of common pathological conditions as they appear on radiographs. Allows for identification of radiographic features as they relate to characteristics of the disease/disorder, and provides information about how technical values are affected by pathological conditions. Successful completion requires a minimum grade of C+. Prerequisite: RADT 330 with a minimum grade of C+</p>
<p>RADT 340 Digital Imaging, Processing and Quality 3 cr Introduces components, principles, and operation of digital imaging systems and factors that impact image acquisition, display, and retrieval in radiology, as well as principles of digital system quality assurance and maintenance. Introduces quality assurance, quality control, and quality assessment necessary for the continued production of quality diagnostic radiographic images. Successful completion requires a minimum grade of C+. Additional fee required. Prerequisite: RADT 305 and HLTH 300 or CCAP 300 Ethical Issues in Health Care (all with a minimum grade of C+) Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 395 Special Topics in Radiologic Technology 1-4 cr Provides students with an opportunity to explore different topics in radiologic technology. Successful completion requires a minimum grade of C+. Prerequisite: Varies by course Repeatable: Unlimited Credits</p>
	<p>RADT 420 Advanced Imaging and Pharmacology 3 cr Provides instruction in modalities, interventional radiography, pharmacology and drug administration as applied to advanced radiographic procedures. Utilizes radiographs for specialized study of cross-sectional anatomy relevant to imaging modalities such as CT and MRI. Introduces additional imaging modalities such as CT, MRI, mammography, ultrasound, bone densitometry, nuclear medicine, and PET. Successful completion requires a minimum grade of C+. Additional fee required. Prerequisite: RADT 320 with a minimum grade of C+ Attributes: Additional Fees Apply (FEE)</p>

<p>RADT 431 Principles of Computed Tomography I 3 cr</p> <p>Provides fundamentals of computed tomography (CT) including history, equipment and quality control; first of a two-course sequence. Addresses aspects of data acquisition, digital analysis and image processing. Includes 40 hr of clinical observation. Successful completion requires a minimum grade of C. Students may apply for the ARRT certification exam upon successful completion of RADT 431 & RADT 432, plus documented completion of the ARRT Clinical Experience Requirements in Computed Tomography.</p> <p>Prerequisite: RADT 340 with a minimum grade of C+</p>	<p>RADT 440 Radiographic Critique and Analysis 3 cr</p> <p>Focuses on radiographic image critique from a problem-based perspective. Enhances the student's knowledge of factors that influence the production of radiographic images and the correlation with radiographic critique. Bridges the gap between patient positioning and the resulting radiograph, and focuses on the analysis of image quality. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 420 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 432 Principles of Computed Tomography II 3 cr</p> <p>Focuses on computed tomography (CT) exam procedures, cross-sectional anatomy, pathology and radiation protection; second of a two-course sequence. Addresses aspects of patient care and contrast agents. Includes 40 hrs of clinical observation. Successful completion requires a minimum grade of C. Students may apply for the ARRT certification exam upon successful completion of RADT 431 and RADT 432, plus documented completion of the ARRT Clinical Experience Requirements in Computed Tomography.</p> <p>Prerequisite: RADT 431 with a minimum grade of C</p>	<p>RADT 455 Clinical Radiography III 6 cr</p> <p>Allows interaction with patients and health care team members in a health care imaging department. This third clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 365 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 433 Clinical Education in CT 4 cr</p> <p>Focuses on clinical application of computed tomography. This clinical experience allows the student to develop practical skills through instruction, application, critique, and evaluation on common computed tomography imaging procedures. Areas of competency include clinical indications, patient preparation and positioning, scanning protocols, radiographic technique, use of contrast media, normal anatomy and pathology and special procedures. Additional fee required.</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 465 Clinical Radiography IV 4 cr</p> <p>Allows interaction with patients and health care team members in a health care imaging department. This fourth clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 455 with minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 434 Principles of Mammography I 3 cr</p> <p>Provides fundamentals of mammography including history, equipment and quality control; first of a two-course sequence. Addresses in-depth anatomy, physiology and pathology of the breast. Includes 40 hrs of clinical observation. Successful completion requires a minimum grade of C. Students may apply for ARRT certification exam upon successful completion of RADT 434 and RADT 435, plus documented completion of the ARRT Clinical Experience Requirements in Mammography.</p> <p>Prerequisite: RADT 340 with a minimum grade of C+</p>	<p>RADT 475 Clinical Radiography V 4 cr</p> <p>Allows interaction with patients and health care team members in a health care imaging department. This fifth clinical experience of five, assists students in gaining mastery of techniques utilized in radiography, as assessed through competency examination of specific body areas. Students will practice patient care skills and radiation safety procedures under direct supervision of a registered radiologic technologist. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: RADT 465 with minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 435 Principals of Mammography II 3 cr</p> <p>Focuses on mammographic procedures, patient care and image evaluation. Second of a two-course sequence. Explores breast ultrasound, digital breast tomosynthesis, biopsies and breast cancer. Includes 50 hrs of clinical practice. Successful completion requires a minimum grade of C. Students may apply for the ARRT certification exam upon successful completion of RADT 434 and 435, plus documented completion of the ARRT Clinical Experience Requirements in Mammography.</p> <p>Prerequisite: RADT 434 with a minimum grade of C</p>	<p>RADT 480 Senior Seminar 3 cr</p> <p>Focuses on factors that impact decision-making related to delivery of health care and radiological practice. Topics addressed include recent scientific findings in related fields of medicine, imaging modalities, and the future of radiographic study. Focuses on the synthesis of professional knowledge, skills and attitudes in preparation for professional practice and lifelong learning. Successful completion requires a minimum grade of C+. Additional fee required.</p> <p>Prerequisite: Minimum overall GPA of 2.3 and completion of RADT 455 with a minimum grade of C+</p> <p>Attributes: Additional Fees Apply (FEE)</p>
<p>RADT 436 Clinical Education in Mammography 4 cr</p> <p>Focuses on clinical application of mammography. Emphasizes equipment utilization, exposure techniques, patient care, evaluation of procedures, image evaluation, image quality, radiation safety practices, positioning protocols, image acquisition, radiation protection, breast ultrasound and interventional imaging. Requires clinical exams in mammography. Additional fee required.</p> <p>Prerequisite: RADT 435 with a minimum grade of C</p> <p>Attributes: Additional Fees Apply (FEE)</p>	<p>RADT 495 Special Topics in Radiologic Technology 1-4 cr</p> <p>Provides students with an opportunity to explore different topics in radiologic technology at the advanced level. Successful completion requires a minimum grade of C+.</p> <p>Prerequisite: Varies by course</p> <p>Repeatable: Maximum of 4 credits</p>

<p>RADT 496 Special Topics Radiography I 3 cr</p> <p>Focuses on fundamentals of a radiographic specialty, including history, instrumentation and quality control, data acquisition, digital analysis and image processing; first of a two-course sequence. Includes 40 hrs of clinical observation. Successful completion of this course with a minimum grade of C may fulfill one of the requirements for applying for the relevant ARRT certification exam.</p> <p>Prerequisite: RADT 340 with a minimum grade of C+</p>	<p>CCST 105H Honors: The Chemistry of CSI 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST), Honors Program (HONR)</p>
<p>RADT 497 Special Topics Radiography II 3 cr</p> <p>Continues education in a radiographic specialty, including topics such as exam procedures, in-depth anatomy and pathology, specialized protection procedures, and patient care. Includes 40 hrs of clinical observation. Successful completion of this course with a minimum grade of C may fulfill one of the requirements for applying for the relevant ARRT certification exam.</p> <p>Prerequisite: Overall 2.3 GPA and RADT 495 with a minimum grade of C+</p>	<p>CCST 106 The Physics of Superheroes 3 cr</p> <p>Examines superheroes through the lens of modern physics. The student will use basic physics principles such as mechanics, energy, and quantum mechanics to model and explain the powers and events in literature, which consists of comic books, sci-fi novels, and fantasy novels. This course will develop problem solving skills that are useful in a variety of real world applications. This course assumes no previous knowledge of physics and will be useful for science and non-science majors alike.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>
<p>RADT 498 Special Topics in Clinical Radiography 1-5 cr</p> <p>Focuses on clinical application of a radiographic specialty. Areas of competency may include clinical indications, patient preparation and positioning, imaging protocols, radiographic technique, image evaluation, normal anatomy and pathology and special procedures. Successful completion of this course with a minimum grade of C may fulfill one of the requirements for applying for the relevant ARRT certification exam. Additional fee required.</p> <p>Prerequisite: Instructor approval</p> <p>Attributes: Additional Fees Apply (FEE)</p> <p>Repeatable: Maximum of 5 credits</p>	<p>CCST 110 Topics in Physical Science with Laboratory 4 cr</p> <p>Designed for non-STEM majors, this course will examine fundamental concepts in physical science. Scientific reasoning, discovery, and invention provide a context for understanding reality-based applications of science. Topics will vary by semester and be identified by subtitle. Required laboratory</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p> <p>Repeatable: Unlimited Credits</p>
<h2>Science & Technology (CCST)</h2>	
<p>CCST 101 Topics in Physical Science 3 cr</p> <p>Designed for non-STEM majors, this course will examine fundamental concepts in physical science. Scientific reasoning, discovery, and invention provide a context for understanding reality-based applications of science. Topics will vary by semester and be identified by subtitle.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p> <p>Repeatable: Unlimited Credits</p>	<p>CCST 111 Topics in Life Science 3 cr</p> <p>Designed for non-STEM majors, this course will examine fundamental concepts in the life sciences. Scientific reasoning and discovery provide a context for understanding reality-based applications of science. Topics will vary by semester and be identified by subtitle.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p> <p>Repeatable: Unlimited Credits</p>
<p>CCST 102 A Case Study Approach to Science 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>CCST 112 Topics in Life Science with Lab 4 cr</p> <p>Designed for non-STEM majors, this course will examine fundamental concepts in life science. Scientific reasoning, discovery, and invention provide a context for understanding reality-based applications of science. Topics will vary by semester and be identified by subtitle. Required laboratory.</p> <p>Attributes: Core Science & Tech w/lab (CSTL)</p> <p>Repeatable: Unlimited Credits</p>
<p>CCST 103 Quarks to Quasars 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	<p>CCST 230 Energy and the Environment 4 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/lab (CSTL), Environmental Studies (ENVI)</p>
<p>CCST 105 The Chemistry of CSI 3 cr</p> <p>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.</p> <p>Attributes: Core Science & Tech w/o lab (CST)</p>	

Self & 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.

Attributes: Core Self & Society (CSS)

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.

Attributes: Core Self & Society (CSS)

CCSS 110 Topics in Self and Society 3 cr

Examines fundamental concepts regarding the relationship of the individual to society at large. Topics will vary by semester and be identified by subtitle.

Attributes: Core Self & Society (CSS)

Repeatable: Unlimited Credits

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.

Attributes: Core Self & Society (CSS)

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.

Attributes: Core Self & Society (CSS), Environmental Studies (ENVI)

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.

Prerequisite: 100-level Self & Society course

Attributes: Core Self & Society (CSS)

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.

Attributes: Core Self & Society (CSS)

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.

Attributes: Core Self & Society (CSS), Honors Program (HONR)

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.

Attributes: Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)

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.

Attributes: Core Self & Society (CSS)

Social Work (SOWK)

SOWK 241 Introduction to Social Work 3 cr

Studies the history of social welfare in America, major current social welfare programs, the profession of social work, social service settings and the social work methods of casework, group work and community organization.

Prerequisite: SOCI 100

SOWK 340 Inequality and Social Policy 3 cr

Examines social welfare policies and programs from the New Deal to the present analyzing their economic, cultural, historic and political roots. Emphasis on selected issues such as poverty and inequality, 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.

Prerequisite: SOCI 100 or any Self & Society course

Attributes: Child & Family Studies Minor (C&FS), Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)

SOWK 348 Social Work Skills 3 cr

Focuses on fundamental social work skills such as establishing a helping relationship, interviewing, listening, feedback, summarizing, and problem solving. Explores contracting, professional values, termination work, and social worker roles of mediator, advocate, outreach worker, social broker, and activist.

Prerequisite: SOCI 100 or PSYC 100

- SOWK 355 Community Organizing** 3 cr
Explores community organizing as a means of empowering citizens to make successful changes in the social issues impacting their communities. Involves the study of theories of community organizing and social change and participation in projects offering a chance to learn about community organizing through practice.
Prerequisite: SOCI 100, recommended SOWK 348
Attributes: Cross-Cultural and Social Justice (CCSJ), Leadership Minor (LDRS)
- SOWK 395 Special Topics in Social Work** 3 cr
A course or seminar for students who have taken a substantial number of social work/social service courses. Such courses or seminars may explore any of a variety of topics concerning casework, group work, community organization, social planning, social policy or other courses which deal with techniques or theory related to social work/social service practice.
Prerequisite: SOCI 100 and additional prereqs to be announced
Repeatable: Unlimited Credits
- SOWK 405 Poverty and Place** 3 cr
Explores the relationship between poverty and location (both physical and social) in U.S. society. Examines multiple poverty contexts within the U.S. (i.e. American Indian reservations, urban communities, small towns), paying close attention to differences and similarities. Analyzes approaches to poverty reduction from the perspective of people living in each context.
Prerequisite: Junior/senior status and SOWK 241
Attributes: Women Gender Sexuality Studies (WMST)
- SOWK 442 Social Casework** 3 cr
Examines casework practice theory and methodologies as applied in a variety of social service settings. Focuses on the psychosocial framework of study, assessment and treatment of client problems. Explores casework with special populations such as children, teenagers, and depressed and suicidal clients.
Prerequisite: SOWK 348
- SOWK 443 Casework with Couples and Families** 3 cr
Explores clinical practice with family problems. Examines the ways in which environmental, social, economic, psychological and institutional pressures help create and exacerbate family dysfunction, and the integration of this understanding into skilled intervention with families.
Prerequisite: SOWK 348
Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)
- SOWK 452 Social Work with Youth Offenders** 3 cr
Examines research and practice related to youth offenders. The causes of youth offending, as well as prevention and treatment, are examined from a variety of perspectives. Current intervention methods will be discussed, and direct exposure to those methods in practice settings will be provided via field trips, speakers, and media presentations.
Prerequisite: SOCI 100 or PSYC 100
Attributes: Child & Family Studies Minor (C&FS)
- SOWK 475 Family Violence** 3 cr
Examines violence within contemporary American families through the lenses of gender, culture, and age. Emphasis is placed on the physical and sexual abuse of women and children. We explore theory, research, and solutions from the fields of social work, sociology, psychology, and feminism.
Prerequisite: SOCI 100 or PSYC 100 and junior/senior status
Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)
- SOWK 495 Advanced Special Topics in Social Work** 3 cr
Provides advanced social work students with an opportunity to explore advanced topics, current issues, methods, and theories in the field of social work.
Prerequisite: SOWK 241 and junior/senior status
Repeatable: Unlimited Credits
- 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. This course requires department approval prior to enrollment.
Prerequisite: Junior/senior status
- SOWK 500 Independent Study-Social Work** 1-3 cr
Open to juniors and seniors who wish to read in a given area or to study a topic in depth under the direction of a social worker. Requires written reports and frequent conferences with the advisor.
Prerequisite: Junior/senior status, department approval
Repeatable: Maximum of 12 credits
- SOWK 501 Research Assistant** 1-3 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
Repeatable: Maximum of 6 credits
- SOWK 540 Social Work Internship** 3-15 cr
Placement in social or human service agencies. Internships are available in counseling, advocacy, outreach, organizing, planning and the administration 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, SOWK 241
Repeatable: Maximum of 15 credits

Sociology (SOCI)

- SOCI 100 Introduction to Sociology** 3 cr
Introduces the history, major concepts, and methods of sociology. Examines elements of social organization, sociological analysis of groups and relationships between major institutions of society. Emphasizes the idea of the sociological imagination and its application to contemporary issues.
Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS)
- SOCI 201 Social Problems** 3 cr
Studies problems and disorganization in modern industrial society such as: poverty, racism, sexism, environmental pollution, militarism and family issues.
Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS)

<p>SOCI 201H Honors: Social Problems 3 cr</p> <p>Studies problems and disorganization in modern industrial society such as: poverty, racism, sexism, environmental pollution, militarism, and family issues.</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ), Core Self & Society (CSS), Honors Program (HONR)</p>	<p>SOCI 322 Population 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100</p> <p>Attributes: Environmental Studies (ENVI)</p>
<p>SOCI 210 Families 3 cr</p> <p>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 topics such as: gender roles, marriage, divorce and blended families, nonmarital lifestyles, parenting, family policy and technology's impact on family life.</p> <p>Attributes: Child & Family Studies Minor (C&FS), Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)</p>	<p>SOCI 325 Contemporary Social Issues Through Film 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100</p>
<p>SOCI 282 Social Constructions of Deviance 3 cr</p> <p>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.</p> <p>Attributes: Core Self & Society (CSS)</p>	<p>SOCI 331 Methods of Social Research 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100 and two SOCI electives</p>
<p>SOCI 305 Latinas in US Society 3 cr</p> <p>Addresses the modern lives of young Latinas in the U.S. Topics to be discussed include, but are not limited to, family, friendship, romance, appearance, identity, and socioeconomic status. In particular, the subject of "voice" or "voz" and the strength Latinas gain in society through expressing their opinions and giving testimony will be explored. The subject of the commodification and national/intercultural expectations of the body of Latinas will also be given much attention.</p> <p>Prerequisite: SOCI 100</p> <p>Attributes: Child & Family Studies Minor (C&FS), Cross-Cultural and Social Justice (CCSJ), Women Gender Sexuality Studies (WMST)</p>	<p>SOCI 351 Criminology 3 cr</p> <p>Studies the nature of crime and theories of criminal behavior; operation of courts, police systems and correctional institutions; probation, parole and crime prevention.</p> <p>Prerequisite: SOCI 100</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>
<p>SOCI 312 Sociological Theory 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100 and two SOCI electives</p>	<p>SOCI 352 Juvenile Crime, Justice and Advocacy 3 cr</p> <p>Analyzes deviant/offender behavior and the criminal justice system for children and youth. Considers current issues (e.g., gangs, racism/discrimination, policing, sentencing, incarceration) from various societal perspectives. The course also explores youth advocacy efforts and collaborative work in schools and the larger community to assist youth offenders.</p> <p>Prerequisite: SOCI 100</p> <p>Attributes: Child & Family Studies Minor (C&FS)</p>
<p>SOCI 316 Sociology of Sport 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100</p>	<p>SOCI 355 Law and Society 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100</p>
<p>SOCI 321 Race and Ethnic Relations 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100</p> <p>Attributes: Cross-Cultural and Social Justice (CCSJ)</p>	<p>SOCI 360 Women, Movies, and MTV (music television) 3 cr</p> <p>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.</p> <p>Prerequisite: SOCI 100 or PSYC 100 or any Self & Society course</p> <p>Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)</p>

- 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
Repeatable: Unlimited Credits
- SOCI 402 Genocide** 3 cr
Examines legal definition and cases of genocide to understand structural preconditions and effective prevention strategies.
Prerequisite: SOCI 100 and junior/senior status
Attributes: Cross-Cultural and Social Justice (CCSJ)
- SOCI 403 Social Movements** 3 cr
Introduces students to major social movements of the 20th Century in the U.S. and the variety of state responses to them. Examines political, social, economic conditions that gave rise to movements and the ways in which these movements have succeeded and failed. Explores why people join movements and the tactics they use to achieve movement goals. Additional focus on how art (poetry, literature, performance art, murals, photography) can function as a form of political protest.
Prerequisite: SOCI 100 and junior/senior status
Attributes: Leadership Minor (LDRS)
- SOCI 410 Sociology of Education** 3 cr
Uses a race, class, gender analytic structure to investigate social inequalities in education. School choice, urban schools, school sports, space/location, and friendship are some of the areas that will be explored. Family involvement in school choice, tracking, and magnet programs will also be considered. Grade school through college educational outcomes will be addressed.
Prerequisite: SOCI 331 or PSYC 290 and junior/senior status
Attributes: Child & Family Studies Minor (C&FS), Women Gender Sexuality Studies (WMST)
- SOCI 415 Sociology of Happiness** 3 cr
Explores attainment and production of human happiness at individual and societal levels. It examines happiness theory and research from sociology, philosophy, anthropology, social psychology, health, political science, economics, public policy, and other fields to provide a comprehensive understanding of wellbeing and its multiple sources.
Prerequisite: SOCI 100 and junior/senior status
- SOCI 425 Sociology of Childhood** 3 cr
Explores the sociology of childhood. The course will begin by establishing definitions for the child and the sociology of childhood. Methodological issues surrounding children as research subjects, meaning making, sense of belonging, inequality, and culture in the worlds of childhood will be addressed. There will be a special focus in this course on the existence and displays of agency and interpretive reproduction in children's lives.
Prerequisite: SOCI 100 and junior/senior status
Attributes: Child & Family Studies Minor (C&FS)
- SOCI 432 Doing Social Research** 4 cr
Provides opportunities for students to advance their understanding of social science inquiry in Sociology, Anthropology or Social Work by engaging with research methods, ethical principles and challenges, and research processes within qualitative, quantitative, and mixed methodologies. Students will gain advanced practical knowledge and skills through the application of qualitative, quantitative, and/or mixed methods.
Prerequisite: SOCI 100 or ANTH 130 or ANTH 240, junior/senior status
- SOCI 441 Social Stratification** 3 cr
Explores and analyzes stratification systems, theories of stratification, social mobility, types of inequality, methods of measuring inequality, and the impact upon life style and personality.
Prerequisite: SOCI 100 and junior/senior status
Attributes: Cross-Cultural and Social Justice (CCSJ)
- SOCI 495 Advanced Special Topics in Sociology** 3 cr
Provides advanced sociology students with an opportunity to explore advanced topics, current issues, methods, and theories in the field of sociology.
Prerequisite: SOCI 100 and junior/senior status
Repeatable: Unlimited Credits
- 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
Repeatable: Maximum of 6 credits
- SOCI 500 Independent Study - Sociology** 1-3 cr
Open to juniors and seniors who wish to read in a given area or to study a topic in depth under the direction of a sociologist. Requires written reports and frequent conferences with the advisor.
Prerequisite: Junior/senior status, department approval
Repeatable: Maximum of 3 credits
- SOCI 501 Research Assistant** 1-3 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
Repeatable: Maximum of 6 credits
- SOCI 505 ProSeminar** 3 cr
Prepares students for the start of potential graduate studies in the social sciences or a related discipline. The seminar will focus on and facilitate student exploration of graduate education and training opportunities including such topics as: the graduate school/program research and selection process; crafting curriculum vitae and/or business resumes; constructing a statement of purpose; and editing writing samples for graduate applications.
Prerequisite: Instructor approval
- SOCI 540 Sociology Internship** 3-15 cr
Placement in public or private organizations that apply knowledge and approaches from the social sciences. Internships are available in community development, criminal justice, educational programs and institutions, and governmental agencies. 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
Repeatable: Maximum of 15 credits

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.

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.

Prerequisite: SPAN 101 or equivalent

Attributes: Language Arts (CLA)

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

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.

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.

Prerequisite: SPAN 202 or equivalent

Attributes: Cross-Cultural and Social Justice (CCSJ)

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.

Prerequisite: SPAN 300, SPAN 301

Attributes: Cross-Cultural and Social Justice (CCSJ)

Repeatable: Unlimited Credits

Theatre (THEA)

THEA 110 Introduction to Stagecrafts 3 cr

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

THEA 120 Introduction to Performance 3 cr

Introduces the fundamentals of stage performance. Improvisation, relaxation, and character exercises build awareness of skills necessary for successful live performance. Presents basic acting vocabulary/theory. Develops confidence performing in front of others. Includes readings, plays in context, viewing of live theatre, and short writing assignments. Fosters more informed observers of performance experience.

Attributes: Core Creative Arts (CCA)

THEA 200 Introduction to Theatre 3 cr

Surveys historical development of world theatre emphasizing western dramatic tradition. Introduces a broad range of theatrical literature and theory within its historical context. Includes class discussions and writing assignments, as well as viewing of live theatre, panel discussions, and critical response sessions.

Attributes: Core Creative Arts (CCA)

THEA 210 Drawing for Theatre 3 cr

Familiarizes students with the basic materials and techniques of graphic presentation in scenic, costume, and lighting design for the theatre. Students will be introduced to the basic vocabulary of drawing, rendering and drafting techniques used as communication tools for theatre design and production. Focuses on technical drafting skills, perspective, and drawing the figure.

THEA 220 Beginning Acting 3 cr

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

Prerequisite: THEA 120

<p>THEA 230 Stagecraft II: Scene Construction 3 cr</p> <p>Provides the student with the basic knowledge of stage construction. Familiarizes students with the methods, materials, equipment, concepts and processes involved in the construction of scenery for the theatre. The emphasis of this course will be on the physical process that results in the production of scenery through construction techniques. Hands-on experience will be gained by completing lab hours in the scene shop; assisting in the construction and installation of theatre program season.</p> <p>Prerequisite: THEA 110</p>	<p>THEA 290 Stage Makeup 3 cr</p> <p>Introduces students to basic makeup vocabulary, materials and techniques. Students will work toward a proficiency in the principles and skills of makeup application including basic corrective/straight makeup, old age, and character makeup in order to communicate aspects of a character to an audience certain information.</p>
<p>THEA 240 Stagecraft II: Costume Construction 3 cr</p> <p>Provides basic knowledge of costume construction. Familiarizes students with the methods, materials, equipment, concepts and processes involved in the construction of costumes for theatre production. Emphasis of this course will be on the physical process that results in the production of costumes through construction techniques. Hands-on experience will be gained by completing lab hours in the costume shop; assisting in the construction and installation of theatre program season.</p> <p>Prerequisite: THEA 110</p>	<p>THEA 310 Design for Theatre (Topic) 3 cr</p> <p>Studies the process of designing for theatre through play analysis, research, color theory, composition, and the examination of design elements and principles for stage. Design concepts are demonstrated through rendering techniques, drafting or modeling to communicate ideas, cultivating a design aesthetic. Rotating topics may include: Costume Design, Scene Design, Lighting Design and Sound Design. Students may repeat enrollment for credit, but may not repeat topics.</p> <p>Prerequisite: THEA 200, THEA 250</p> <p>Repeatable: Unlimited Credits</p>
<p>THEA 250 Fundamentals of Theatre Design 3 cr</p> <p>Explores the creative process and the principles and tools of design as they apply to theatrical production. Emphasis will be on script analysis, graphic techniques, and research for and of design. Introduces the student to the vocabulary, fundamental elements and principles of design and how they apply to the theatre experience of scenery, costume and lighting design to include discussion, appreciation and evaluation of theatrical design.</p>	<p>THEA 360 Advanced Acting (Topic) 3 cr</p> <p>Builds on the foundational skills and concepts acquired from the integrated voice, movement and acting sequence. Students will choose further study to inform their individual development as actors. Topics are offered on a rotating basis and focus on a specialized aspect of acting technique while incorporating advanced research and dramatic analysis. Topics include Shakespeare, Musical Theatre, Realism/Naturalism, and Experimental/Alternative. Students may repeat enrollment for credit, but not topics.</p> <p>Prerequisite: THEA 120, THEA 220</p> <p>Repeatable: Unlimited Credits</p>
<p>THEA 260 Intermediate Acting 3 cr</p> <p>Continues the integrated voice, movement and acting training sequence from Beginning Acting emphasizing character building. Students explore the acting instrument in greater depth. Movement study connects the voice to the body and then progresses to play analysis from the actor's point of view, followed by more formal text work. The goal of the course is to gain greater flexibility and control over the instrument and expand understanding of the demands of creating dynamic characters for stage performance.</p> <p>Prerequisite: THEA 220</p>	<p>THEA 370 Collaboration 3 cr</p> <p>Develops practical studio in theatrical collaboration designed for both performance and production students. Develops skills in collaboration across artistic disciplines, offering effective strategies for communication as students create and perform short projects. Offers direct, real-world experience in theatrical collaboration and leadership, allowing the individual to test skills, talents and creative ideas in an environment conducive to both individual and collective artistic growth.</p> <p>Prerequisite: THEA 200, THEA 250, THEA 271</p>
<p>THEA 271 Play Analysis 3 cr</p> <p>Introduces the basic principles, techniques and challenges of analyzing plays for theatrical production. Focuses on the process of reading and analyzing plays while developing basic vocabulary of dramatic styles. Develops basic knowledge of principles of dramatic structure through readings from a diverse range of theatre texts from the western canon. Goal is to discover what the playwright has dramatized and how best to realize it on stage clearly, imaginatively and powerfully.</p> <p>Prerequisite: THEA 200</p>	<p>THEA 372 Theatre Practicum 1 cr</p> <p>Provides practical experience on performance and production related activities for Theatre Program productions during semester. Students may repeat this course for credit.</p> <p>Prerequisite: By audition or interview only</p> <p>Repeatable: Unlimited Credits</p>
<p>THEA 280 Stagecrafts II: (Topic) 3 cr</p> <p>Builds on the foundational skills learned in Introduction to Stage Crafts. Familiarizes students with methods, materials, equipment, concepts and processes resulting in the creation of some aspect of theatre production. Hands-on experience will be gained by completing lab hours in a production shop; assisting in creation of Theatre Program productions. Rotating topics may include: Stage Electrics, Stage Properties, Introduction to Sound. Student may repeat enrollment for credit, but may not repeat topics.</p> <p>Prerequisite: THEA 110</p> <p>Repeatable: Unlimited Credits</p>	<p>THEA 379 Topics in Theatre Production 3 cr</p> <p>Studies in depth a specific aspect of theatre production. Designed to provide advanced experience in materials and techniques used in theatre. Topics are offered on a rotating basis and focus on a specialized aspect of production technique. Topics may include: Historical Patterning, Computer-Aided Drafting, Advanced Lighting Technology, Stage Management. Students may repeat enrollment for credit but may not repeat topics.</p> <p>Prerequisite: THEA 110, THEA 230 or THEA 240</p> <p>Repeatable: Unlimited Credits</p>

THEA 380 Audition Technique**3 cr**

Introduces the specific techniques and skills necessary to audition for the professional stage with confidence and artistic honesty. This course will focus on the development of audition material from a wide range of styles and genres as well as mastery of cold reading techniques, and practical preparation for the professional world and the business of acting. For the student contemplating a professional theatre career.

Prerequisite: Junior/senior status, Theatre Concentration, THEA 220

THEA 381 Theatre History I: Beginnings to 17th Century**3 cr**

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

Prerequisite: THEA 200

THEA 383 Theatre History II: 18th Century to Present**3 cr**

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

Prerequisite: THEA 200

THEA 470 Directing**3 cr**

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

Prerequisite: THEA 120, THEA 200, THEA 271, THEA 250, THEA 370

THEA 479 Topics in Theatre Performance**3 cr**

Studies in depth a specific aspect of theatre performance. Provides advanced work in analysis, interpretation and research. Primarily for majors in their junior or senior year. Includes topics such as: Accents and Dialects for the Stage, Advanced Directing, Clowning and Comedian, Collaborative Theatre Ensemble, Contact Improvisation, Hip Hop Theatre, Improvisation, Mask Performance, Melodrama, Period Dance for Stage, Physical Comedy, Puppetry, Spoken Word, and Stage Combat.

Prerequisite: Instructor approval

Repeatable: Unlimited Credits

Travel (TRVL)

TRVL 300 Travel Course To:**3 cr**

Offers students opportunity to take learning beyond the classroom. These courses involve on-campus instruction and meetings combined with travel to another country/region. Each course is designed to acquaint students with the history, geography, culture and society of other counties/regions. The specific travel course will identify the country/region under study, with a syllabus outlining the travel and course requirements.

Prerequisite: Instructor approval

Repeatable: Unlimited Credits

Women Gender Sexuality Studies (WGSS)

WGSS 201 Introduction to Women Gender and Sexuality Studies**3 cr**

Explores the historical, social, political, economic, and cultural forces that inform sex, gender, and sexuality within the context of feminist movements. Students learn and engage with concepts and theoretical perspectives found in the field of Women, Gender, and Sexuality Studies. Understand the multiple matrices of power that shape the world and our lived experiences.

Attributes: Core Self & Society (CSS), Women Gender Sexuality Studies (WMST)

WGSS 202 Feminist Theory**3 cr**

Analyzes and evaluates historical and contemporary feminist works tracing the origins of feminist theories within various local and global contexts. Discuss the development and waves of feminist theory via social and political spheres, women of color feminisms, and intersectional and postmodern forms of feminist theory.

Prerequisite: WGSS 201

Attributes: Women Gender Sexuality Studies (WMST)

WGSS 395 Special Topics in Women Gender and Sexuality Studies**3 cr**

Examines in depth a specific topic area in women, gender, and sexuality studies. Provides advanced work in women, gender, and sexuality studies literature, theory, and/or research in a topic area. Content identified by subtitle.

Prerequisite: WGSS 201

Attributes: Women Gender Sexuality Studies (WMST)

Repeatable: Unlimited Credits

WGSS 500 Independent Study**1-3 cr**

Open to juniors or seniors who wish to study in depth a particular topic related to women, gender, and sexuality studies by drawing upon the perspectives of at least two different disciplines (or MCLA departments). An affiliated Women, Gender, and Sexuality Studies Minor faculty member must be the sponsor of the project.

Prerequisite: Junior/senior status and WGSS Minor

Attributes: Women Gender Sexuality Studies (WMST)

Repeatable: Maximum of 12 credits

FACULTY LISTING

Biology Department

Professor

Ann Billetz: cell biology, microbiology, parasitology

B.S., Walsh College

M.S., Cleveland State University

Ph.D., Cleveland State University

Anne Goodwin: zoology, animal physiology, marine biology, and human biology

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

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

Eric Doucette: botany, ecology

B.S., University of Maine

Ph.D., University of Maine

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

B.S., Union College

M.S., Concordia University

Ph.D., Clark University

Assistant Professor

Andrew Best: anatomy and physiology, exercise physiology, biomechanics

B.S., Saint Michael's College

M.A., Quinnipiac University

M.A., University of Massachusetts, Amherst

Ph.D., University of Massachusetts, Amherst

Alyssa Dufresne: radiologic technology, intro to healthcare

RT (R)

B.S., Southern Vermont College

M.S., University of Central Missouri

George Hamaoui: microbial ecology

B.A., Ohio Wesleyan University

Ph.D., University of Massachusetts, Amherst

Nicole Porther: community health education, public health, human biology

B.S., Howard University

M.P.H., Florida International University

Ph.D., Florida International University

Rebecca Relyea: radiologic technology, positioning lab, advanced imaging

RT (R)

B.S., College of Saint Rose

A.S., Ogeechee Technical College

M.S., Excelsior College

Julie Walsh: positioning, advanced imaging, radiographic critique, computed tomography

RT (R) (M) (CT)

B.S., University of Connecticut

A.S., Gateway Community College

M.Ed., Park University

Business Administration and Economics Department

Professor

Chali Nondo: economics

A.S., Community College of Allegheny County

B.S., California University of Pennsylvania

M.B.A., California University of Pennsylvania

Ph.D., West Virginia University

Nancy L. Ovitsky: marketing, economics, information technology

B.A., University of Illinois

M.S., University of Illinois

Ph.D., University of Illinois

Thomas Whalen: management, marketing, leadership, culture studies

B.S., U.S. Naval Academy

M.S., Troy University

Ph.D., Gonzaga University

Associate Professor

Tara J. Barboza: accounting

B.S., University of Phoenix

M.B.A., Massachusetts College of Liberal Arts

James S. Moriarty: accounting, finance

B.S., American International College

M.B.A., American International College

Assistant Professor

Sudipto Sarkar: marketing, business

B.Com. (Honors), University of Calcutta

M.B.A., University of Wisconsin Oshkosh

Ph.D., University of Texas Rio Grande Valley

Chemistry Department

Associate Professor

Carolyn Dehner: biochemistry

B.S., State University of New York, Geneseo

Ph.D., University of Notre Dame

Robert Harris: organic chemistry, inorganic chemistry

B.S., Virginia Polytechnic Institute and State University

M.S., Virginia Polytechnic Institute and State University

Ph.D., Boston College

Computer Science Department

Associate Professor

David Eve: hardware, networking, information systems, entrepreneurship

B.A., College of Wooster

M.Ed., University of Massachusetts, Amherst

Ed.D., University of Massachusetts, Amherst

Assistant Professor

Guodong Wang: performance optimization on high-speed networks; security and communications on smart grid; control, management, and services on SDN and IoTs

B.S., Henan Polytechnic University

M.S., University of Chinese Academy of Science

Ph.D., University of Chinese Academy of Science

Education Department

Professor

Nicholas Stroud: student and teacher attitudes toward science, science pedagogy in and out of classrooms and for communities
B.S., University of Wisconsin, Madison
M.A., Stonybrook University
Ph.D., Teachers College Columbia University

Assistant Professor

Lisa Arrastia: oral history, racial capitalism, the pedagogies of culture, and the intersections of race, masculinity, social class, place, and school
B.S., SUNY Empire State College
M.A., Antioch University
M.Ed., National Louis University
Ph.D., University of Minnesota

Margaret Clark: early childhood education, curriculum and theory, early literacy development
B.A., Williams College

M.A., Sonoma State University
Ph.D., University of California, Santa Cruz

Sharon Head: special education teacher/case manager preparation, literacy instruction and intervention, behavior as communication, narrative inquiry
B.A., McDaniel College
M.A., University of New Mexico
Ph.D., University of New Mexico

Clio Stearns: education, childhood studies, curriculum theory, elementary teacher education
A.B., Bryn Mawr College
M.S. Ed., Bank Street College of Education
Ph.D., University of New Hampshire

English & Communications Department

Professor

Michael Birch: digital media production, media and cultural studies, applied theater
B.A., King Alfred's College
M.A., University of Lancaster
Ph.D., University of Liverpool

Paul E. LeSage: journalism, business writing, literature
B.A., Norwich University
M.A., Idaho State University
Ph.D., University of Massachusetts, Amherst

Associate Professor

Amber Engelson: writing studies; global literacies; feminist rhetorics; writing across curriculum
A.B., Occidental College
M.A., University of Massachusetts, Amherst
Ph.D., University of Massachusetts, Amherst

Zachary Finch: American literature, creative writing, contemporary poetry and poetics
B.A., Dartmouth College
M.F.A., Warren Wilson College
Ph.D., University of Buffalo

Jenna Sciuto: global anglophone literature, U.S.. southern literature, African American and African diasporic literatures, postcolonial theory
B.A., Brown University
M.A., Boston University

Ph.D. Northeastern University

Assistant Professor

Caren Beilin: creative writing, non-fiction
B.A., Columbia College Chicago
M.F.A., University of Montana
Ph.D., University of Utah

Shawn McIntosh: digital journalism, social production communities, media studies, strategic communications
B.S., University of Idaho
M.S., Columbia University
Doctoral Candidate, Rutgers University

Victoria Papa: 20th-century and contemporary literatures, modernism, gender and sexuality studies, visual culture and new media
B.A., St. Anselm College
M.A., University of Albany, SUNY
Ph.D., Northeastern University

J. Antonio Templanza: 17th-century English literature, history of science and philosophy, literary criticism and theory
B.A., University of California at Berkeley
M.A., Yale University
M.Phil., Yale University
Ph.D., Yale University

Environmental Studies Department

Professor

Daniel Shustack: wildlife biology
B.S., Pennsylvania State University
M.S., University of Vermont
Ph.D., Ohio State University

Elena Traister: stream ecology, campus sustainability
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

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

Lisa Donovan: arts management, arts education, arts integration, arts based research
B.A., SUNY Oneonta
M.S., Boston University
Ph.D., Lesley 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

Gregory Scheckler: visual art, painting and digital photography
B.A., University of Notre Dame
B.F.A., Washington University
M.F.A., Utah State University

Associate Professor

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

Jerome Socolof: performing arts management and arts policy

B.M. SUNY Potsdam

M.A. Ohio State University

Ph.D. Ohio State University

Laura Standley: acting, directing, play analysis

B.A., University of Central Oklahoma

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

Jeremy Winchester: theater, scenic, and lighting

B.F.A., University of Oklahoma

M.F.A., University of Washington

Assistant Professor

Michaela Petrovich: theatre, costume design and technologies

B.A., University of Redlands, Johnston Center for Integrative Studies

M.F.A., University of Washington

Freel Library

Librarian

Pamela Contakos

B.A., Marlboro College

M.L.S., Syracuse University

M.Ed., University of Massachusetts, Boston

Associate Librarian

Kate Flower

B.A., DePaul University

M.A., University of Arizona

History and Political Science Department

Professor

Anthony Daly: European history, world civilization

B.A., University of Toronto

M.A., Boston College

Ph.D., Boston College

Kailai Huang: Asian history, world civilization

B.A., Hebei University, Baoding, China

M.A., Beijing Normal University, Beijing, China

Ph.D., Binghamton University

Associate Professor

David Cupery: Latin America, sub-Saharan Africa, international relations, political and economic development, political economy, civil conflict

B.A., Centre College

Masters in International Sciences and Diplomacy, Universidad de Guayaquil, Ecuador

M.A., University of Colorado, Boulder

Ph.D., University of Colorado, Boulder

Samantha Pettey: American politics; women and politics; state and local politics; research methods

B.A., University of Massachusetts, Dartmouth

M.A., University of Rhode Island

Ph.D., University of North Texas

Assistant Professor

Amanda Kleintop: U.S. history to 1877; U.S. Civil War and reconstruction; slavery and emancipation in the Atlantic world; historical methods

B.A., University of Richmond

M.A., Northwestern University

Ph.D., Northwestern 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

Elizabeth Hartung: graph theory, modeling, combinatorics

B.S., Indiana University of Pennsylvania

M.S., Syracuse University

Ph.D., Syracuse University

Christopher L. Thomas: geometric group theory

B.S., University of Massachusetts, Amherst

Ph.D., Tufts University

Assistant Professor

Erin Kiley: applied mathematics, mathematical modelling, computational electromagnetics

B.S., University of New Hampshire

M.S., Worcester Polytechnic Institute

Ph.D., Worcester Polytechnic Institute

Philosophy/Modern Languages/ Interdisciplinary Studies Department

Professor

David Braden-Johnson: epistemology and metaphysics, ethics, aesthetics

B.A., Georgetown University

Ph.D., University of Massachusetts, Amherst

Paul Nnodim: social and political philosophy, African philosophy, and continental philosophy

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

Associate Professor

Hannah Haynes: critical ethnic studies, US immigration history, American studies

B.A., Williams College

M.A., University of Michigan, Ann Arbor

Ph.D., University of Michigan, Ann Arbor

Mariana Bolívar Rubín: Spanish, 20th and 21st centuries Latin American/Caribbean literature, gender and film theory

B.A., Colorado State University, Fort Collins.

M.A., Colorado State University, Fort Collins

Ph.D., University of Colorado, Boulder

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, England

Assistant Professor

Guangzhi Huang: global urban history, Chinese urban cultures, critical race studies

B.A., Guangdong University of Foreign Studies

M.A., St. Louis University

Ph.D., University at Buffalo

Physics Department

Professor

Emily Maher: experimental particle physics

B.A., Hendrix College

Ph.D., University of Minnesota

Associate Professor

Kebra Ward: experimental optics

B.S., University of Southern California

M.S., Lehigh University

Ph.D., Lehigh University

Assistant Professor

Thomas Burton: materials science/condensed matter physics

B.E., Virginia Polytech Institute and State University

Ph.D., University of Alabama

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

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

Associate Professor

Ruby Vega: learning and motivation, socially shared regulation of learning in small group formats

B.A., University of Arizona

M.A., University of Arizona

Ph.D., University of Arizona

Assistant Professor

Sara Steele: technology and cognition, sex differences in spatial ability

B.S., Kutztown University

M.A., The University of Alabama

Ph.D., The University of Alabama

Sociology/Anthropology/Social Work Department

Professor

Ingrid Castro: children and youth, race, gender, and class, education, cinema studies, qualitative methods

B.A., University of Delaware

M.A., Northeastern University

Ph.D., Northeastern University

Jennifer Zoltanski: social inequality, criminology, genocide, sociology of happiness

B.A., University of Denver

M.S., Portland State University

M.A., Brandeis University

Ph.D., Brandeis University

Associate Professor

Anna Jaysane-Darr: community and global health, anthropology of refugees, gender roles and culture

B.A., New York University

M.A., University of London

Ph.D., Brandeis University

Kerri Leyda Nicoll: poverty & inequality, social policy, community and civic engagement

B.A., Connecticut College

M.Div., Princeton Theological Seminary

M.S.W., University of Pennsylvania

Ph.D., University of Michigan

Assistant Professor

Travis Beaver: sociology of gender, men and masculinities, sexualities, social theory

B.A., The University of Texas at Austin

M.A., The University of Texas at Austin

Ph.D., The University of Texas at Austin

Whitney Gecker: community and place, youth civic engagement, reconciliation, ethnography

B.A., George Mason University

M.A., University of Massachusetts, Boston

Ph.D., Boston University

Mohamad Junaid: political anthropology, social movements, visual anthropology, South Asia

B.A., Aligarh Muslim University, India

M.A., Jawaharlal Nehru University, India

M.Phil., Jawaharlal Nehru University, India

Ph.D., City University of New York, Graduate Center

Faculty Emeritus/Emerita

Peter Allmaker, M.Ed., Associate Professor of Computer Science

Diane L. Balduzy, Ph.D., Professor of Sociology

Ellen P. Barber, Ph.D., Professor of Education

Robert (Bob) Bence, D. A., Professor of History

Susan (Sue) Birns, Ph.D., Professor of Sociology

Bonnie Bishoff, M.F.A., Professor of Fine and Performing Arts

Robert Bishoff, Ph.D., Professor of English Communications

Elizabeth (Peggy) Brooks, Ph.D., Professor of Psychology

Mary Ellen Cohane, Ph.D., Professor of English Communications

Sumi E. Colligan, Ph.D., Professor of Sociology

John (Jack) L. Conklin, Ph.D., Professor of Education

Daniel (Dan) Connerton, Ph.D., Professor of History

Joseph M. Ebiware, Ph.D., Professor of English Communications

Susan Edgerton, Ph.D., Professor of Interdisciplinary Studies

Michele A. Ethier, M.S.W., Professor of Social Work and Women's Studies

Dale Fink, Ph.D., Professor of Education

Deborah Foss, Ph.D., Professor of Psychology

W. Anthony (Tony) Gengarely, Ph.D., Professor of Fine and Performing Arts

Ernie Giangrande, Jr., CAGS, Professor of Computer Science

Marc Goldstein, Ph.D., Professor of Interdisciplinary Studies

Steven (Steve) Green, Ph.D., Professor of Sociology

C. Barre Hellquist, Ph.D., Professor of Biology

Albert (Don) Hyers, Ph.D., Professor of Environmental Studies

Timothy (Tim) Jay, Ph.D., Professor of Psychology

Frances Jones-Sneed, Ph.D., Professor of History

Monica N. Joslin, Ph.D., Assistant Professor of Biology

Ben Kahn, Ph.D., Professor of Business Administration and Economics

Alla Kucher, Ph.D., Professor of Mathematics

Elizabeth G. Lambert, Ph.D., Professor of English

David Langston, Ph.D., Professor of English Communications

David Levine, Ph.D., Professor of Chemistry

Mark Miller, Ph.D., Professor of English & Communications

William (Bill) Montgomery, Ph.D., Professor of Interdisciplinary Studies

Lea Bertani Vozar Newman, Ph.D., Professor of English Communications

Leonard (Len) Paolillo, Ph.D., Professor of Sociology

Ann Scott, Ed.D., Professor of Education

Matthew (Matt) Silliman, Ph.D., Professor of Philosophy

Myles Whitney, Ph.D., Professor of Sociology

Carl Wolf, Ph.D., Professor of Physics

Adrienne Wootters, Ph.D., Professor of Physics

Richard Yanow, M.B.A., Professor of Business Administration

ACADEMIC CALENDAR

2021-2022

Rev. 8.3.2021

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. 28 - 31 Kick-off to College
- Aug 31 Late Registration
- 1 Classes Begin
- 6 Labor Day
- 9 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						

- 11 Columbus Day
- 13 Incomplete Deadline
- 13 Mid-term Warnings
- 20 Day of Dialogue
- 27 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
- 24-26 Thanksgiving Break
- 29 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	

- 10 Last Day of Classes
- 11, 12, 13 Reading Days
- 14, 15, 16, 17 Finals
- 16 Last Evening Class
- 20 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					

- 17 MLK Day & Day of Service
- 18 Late Registration
- 19 Classes Begin
- 27 Add/Drop Period Ends
- TBA Transfer Orientation

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				

- 21 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.
- 30 Reading Day
- 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 Last Evening Class
- 1, 3 Reading Days
- 4, 5, 6, 9 Finals
- 11 Grades Due - Noon
- 13 Baccalaureate
- 14 Commencement
- 30 Memorial Day

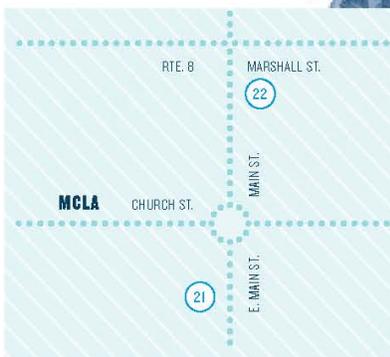
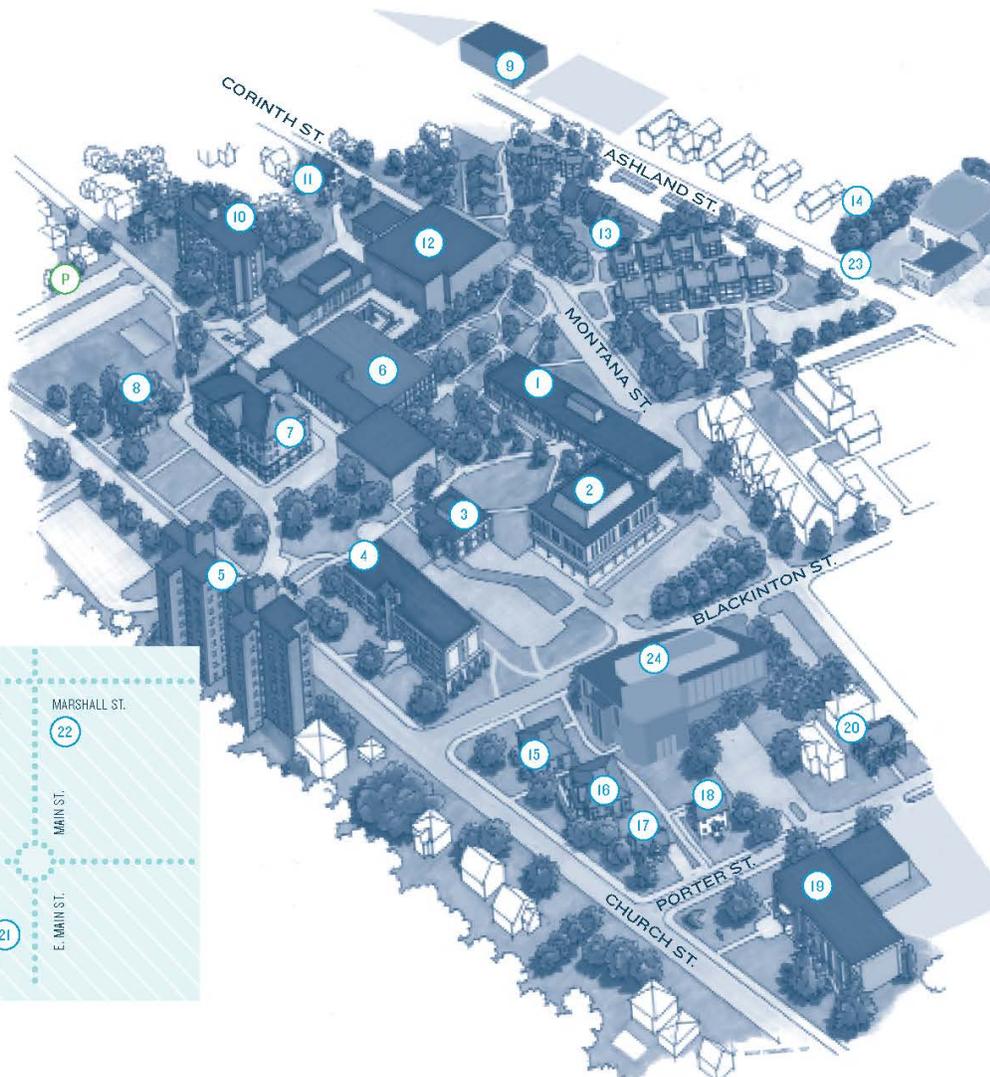
CAMPUS MAP

OUR CAMPUS

- 1. Bowman Hall: Academic Affairs, Art, Arts Management, Assessment, Computer Science, Math
- 2. Freel Library
- 3. Eldridge Hall: Center for Student Success and Engagement (CSSE), Institutional Research, Registrar, Student Financial Services
- 4. Mark Hopkins Hall: Education, English/Communications, Honors Center, Human Resources, TV Studio
- 5. Berkshire Towers: Student Housing
- 6. Venable Hall: Student Empowerment Lounge, Venable Gym, Venable Theatre, Veteran Student Lounge
- 7. Murdock Hall: Academic Technology Center, Business Administration, Computer Support Services, Sociology/Anthropology/Social Work
- 8. Smith House: Office of Admission
- 9. Facilities Management

- 10. Hoosac Hall: Student Housing
- 11. Administration & Finance
- 12. Amsler Campus Center: Athletic Offices, Bookstore, Convenience Store, Dining Hall, Fitness Center, Gymnasium, Radio Station, Student Affairs
- 13. Flagg Townhouse Apartment Complex: Student Housing, Residence Life & Housing Office
- 14. Shipping and Receiving
- 15. 87 Blackinton Street: President's Office
- 16. Mountain One Student Wellness Center
- 17. 100 Porter Street: Interdisciplinary Studies, Modern Languages, Philosophy
- 18. 94 Porter Street: Fine & Performing Arts
- 19. Church Street Center: Eleanor Furst Roberts Auditorium, Social Hall
- 20. 72 Porter Street: History & Political Science
- 21. Institutional Advancement/Alumni Relations: 228 E Main Street, North Adams

- 22. MCLA Gallery 51: 51 Main Street, North Adams
- 23. Public Safety
- 24. Feigenbaum Center for Science and Innovation: Biology, Chemistry, Environmental Studies & Geography, Physics, Psychology
- 25. Design Lab: 49 Main Street, North Adams



INDEX

A

A Message from the President	5
Academic Calendar	247
Academic Programs of Study	28
Academics (ACAD)	176
Addresses	10
Admission	11
All College Honors Program	125
American Ethnic Studies Minor	128
Anthropology (ANTH)	176
Anthropology Minor	171
Art	43
Art - Design Concentration, B.A.	45
Art - Studio Art Concentration, B.A.	45
Art (ART)	177
Art History (ARTH)	178
Art History Minor	45
Art Minor	45
Arts Management	46
Arts Management (AMGT)	179
Arts Management, B.A.	48
Arts Management Minor	48
Athletic Training (ATTR)	180

B

Behavior Analysis Minor (For Non-Psychology Majors)	157
Billing information	13
Biology	49
Biology - Biotechnology Concentration, B.S.	55
Biology - Pre-Medical Professions Concentration, B.S.	55
Biology - Pre-Veterinary Concentration, B.S.	55
Biology, B.S.	56
Biology (BIOL)	182
Biology Minor	56
Board of Trustees, 2021-2022	9
Business Administration - Accounting Concentration, B.S.	63
Business Administration - Event & Sport Management Concentration, B.S.	63
Business Administration - International Business Concentration, B.S.	64
Business Administration - Management Concentration, B.S.	64
Business Administration - Marketing Concentration, B.S.	65

Business Administration and Economics	58
Business Administration, B.S.	63
Business Administration (BADM)	186
Business Administration Minor	65
Business Information Systems Minor	82

C

Campus Map	248
Capstone (CCAP)	189
Chemistry	67
Chemistry - Biochemistry Concentration, B.S.	68
Chemistry, B.S.	68
Chemistry (CHEM)	189
Chemistry Minor	68
Child and Family Studies Minor	172
Commonwealth Scholar Program	125
Communications	70
Communications - Broadcast Media Concentration, B.A.	77
Communications - Digital Media Innovations Concentration, B.A.	77
Communications - Journalism Concentration, B.A.	77
Communications - Public Relations & Corporate Communications Concentration, B.A.	78
Communications (COMM)	191
Computer Science - Bioinformatics Concentration, B.S.	82
Computer Science - Business Information Systems Concentration, B.S.	82
Computer Science - Electrical Engineering Concentration, B.S.	82
Computer Science - Information Technology Concentration, B.S.	83
Computer Science - Software Development Concentration, B.S.	83
Computer Science and Information Systems	79
Computer Science (CSCI)	193
Computing & Communications (CCCL)	196
Core Curriculum	29
Course Descriptions	175
Creative Arts (CCCA)	196
Creative Writing Minor	99
Criminal Justice Minor	172
Cross-Cultural & Social Justice Minor	129

D

Dance (DANC)	197
Design Minor	45

E

Earth Science (ERTH)	197
Earth Science Minor	104

Economics (ECON)	198	Honors (HONR)	212
Economics Minor	65	Honors Program	123
Education	84	Human Heritage (CCHH)	215
Education (EDUC)	199	I	
Electrical Engineering Minor	83	Information Technology Minor	83
English	92	Interdisciplinary Studies	127
English - Film Studies Concentration, B.A.	99	Interdisciplinary Studies, B.A.	131
English - Literature Concentration, B.A.	99	Interdisciplinary Studies (IDST)	215
English - Writing Concentration, B.A.	100	Interdisciplinary Studies (Pre-Designed) - American Studies Area of Concentration, B.A.	130
English (ENGL)	202	Interdisciplinary Studies (Pre-Designed) - Cultural Studies Area of Concentration, B.A.	130
English Minor	100	Interdisciplinary Studies (Pre-Designed) - International and Global Studies Area of Concentration, B.A.	130
Entrepreneurship (ENTR)	206	Italian (ITAL)	216
Entrepreneurship Minor	65	L	
Environmental Science Minor	104	Leadership (LEAD)	216
Environmental Studies	101	Leadership Minor	65
Environmental Studies - Environmental Science Concentration, B.S.	105	Literature Minor	100
Environmental Studies - Environmental Sustainability Concentration, B.S.	105	M	
Environmental Studies (ENVI)	206	Marketing Minor	66
Environmental Sustainability Minor	105	Mathematics	132
Executive Staff	9	Mathematics - Mathematics Education Concentration, B.S.	134
F		Mathematics, B.S.	134
Faculty Listing	242	Mathematics (MATH)	217
Financial Aid Information	14	Mathematics Minor	135
Fine & Performing Arts (FPA)	208	MCLA – Berkshire Community College Biotechnology Articulation Agreement	56
French (FREN)	208	Mission Statement	6
H		Modern Language (MODL)	219
Health and Society Minor	56	Modern Languages	136
Health (HLTH)	209	Music Minor	142
Health Sciences	107	Music (MUSI)	219
Health Sciences - Medical Technology Concentration, B.S.	117	Music Production Minor	142
Health Sciences - Nutrition Concentration, B.S.	119	P	
Health Sciences - Pre-Occupational Therapy Concentration, B.S.	118	Performing Arts	138
Health Sciences - Pre-Physical Therapy Concentration, B.S.	118	Performing Arts - Music Concentration, B.A.	142
Health Sciences - Radiologic Technology Concentration, B.S.	119	Performing Arts - Theatre Concentration, B.A.	142
Health Sciences - Sports Medicine Concentration, B.S.	118	Philosophy	143
Health Sciences, B.S.	117	Philosophy - Law, Ethics, and Society Concentration, B.A.	145
Health Sciences- Pre-Physician Assistant Concentration, B.S.	118	Philosophy, B.A.	145
History	120	Philosophy Minor	145
History, B.A.	122	Philosophy (PHIL)	220
History (HIST)	210		
History Minor	122		

Physical Education	146	The College and Its History	9
Physical Education (PHED)	222	The Undergraduate Experience	16
Physics	148	Theatre Minor	142
Physics, B.A.	149	Theatre (THEA)	239
Physics, B.S.	150	Travel (TRVL)	241
Physics Minor	149	U	
Physics (PHYS)	223	Undergraduate Course Catalog	4
Political Science	151	V	
Political Science, B.A.	153	Veteran Information	15
Political Science Minor	153	W	
Political Science (POSC)	224	Women, Gender, and Sexuality Studies	174
Psychology	154	Women, Gender, and Sexuality Studies Minor	174
Psychology, B.A.	157	Women Gender Sexuality Studies (WGSS)	241
Psychology Minor Program	157		
Psychology (PSYC)	226		
Psychology- Behavior Analysis Concentration, B.A.	158		
Public Health and Community Health Education	159		
Public Health and Community Health Education, B.S.	165		
Public Health Minor	57		
Public History Minor	122		
R			
Radiologic Science (RADS)	229		
Radiologic Technology (RADT)	231		
S			
Science & Technology (CCST)	234		
Self & Society (CCSS)	235		
Social Work Minor	172		
Social Work (SOWK)	235		
Sociology, Anthropology, and Social Work	166		
Sociology, B.A.	173		
Sociology Minor	172		
Sociology (SOCI)	236		
Software Development Minor	83		
Spanish Minor	137		
Spanish (SPAN)	239		
Sport Coaching Minor	57		
T			
Teacher Licensure (5-12)	88		
Teacher Licensure (5-8)	88		
Teacher Licensure (8-12)	89		
Teacher Licensure for Early Childhood (Pre-Kindergarten - Grade 2)	89		
Teacher Licensure for Elementary (1-6)	90		