

# **BACCALAUREATE PROGRAMS**

## **GENERAL INFORMATION**

The Bachelor of Arts, Bachelor of Science, and Bachelor of College Studies are the three baccalaureate degrees awarded at the University of Maine at Machias. The Bachelor of Arts degree is offered with the following majors:

*Biology*  
*English, Creative Writing, and Book Arts*  
*Interdisciplinary Fine Arts*  
*Interdisciplinary Studies*  
*Psychology & Community Studies*

The Bachelor of Science degree is offered with the following majors:

*Business & Entrepreneurial Studies*  
*Elementary Education*  
*Environmental Recreation & Tourism*  
*Management*  
*Environmental Studies*  
*Marine Biology*  
*Secondary Education*

The Bachelor of College Studies degree allows students to develop an individualized concentration in an area of interest to them.

Students in baccalaureate degree programs may also select minors from the following areas:

*American Studies*  
*Art*  
*Biology*  
*Business Administration*  
*Chemistry*  
*Coaching*  
*Counseling*  
*Creative Writing*  
*Cultural Anthropology*  
*Economics*  
*English*  
*Environmental Recreation*  
*Environmental Science*  
*Environmental Studies*  
*Geographic Information Systems*  
*History*  
*Leisure Studies*  
*Marine Biology*  
*Mathematics*  
*Music*  
*Outdoor Recreation*  
*Professional Writing*  
*Psychology*

*Public Administration*  
*Secondary Education*  
*Substance Abuse Services*  
*Sustainability Management*  
*Women's Studies*

## **UNIVERSITY CORE REQUIREMENTS**

All baccalaureate degree candidates, regardless of their chosen academic programs, must meet certain general requirements. Each candidate must earn at least 120 credits prior to graduation and have a cumulative grade point average (GPA) of at least 2.00.

Each baccalaureate student must also complete the University Core requirements. The core curriculum is designed to provide a foundation in general education along with an introduction to a wide variety of academic disciplines important for professional growth and lifelong learning.

It is often possible for a student to meet a program requirement and a core requirement at the same time. For example, students in the Psychology & Community Studies program may use ANT 101 Cultural Anthropology to meet a core requirement in Global Perspectives.

Transfer students who enter with an Associate of Arts (AA) or Associate of Science (AS) degree from a regionally accredited institution will receive some core exceptions, as will students who enter with 60 or more credits in transfer, but who have not completed an AA or an AS degree. Details on the core exceptions that apply to these two groups of transfer students (matriculating after January 1, 2011) can be found at: <http://machias.edu/transfer.html>.

### **Statement of Purpose for the Core Curriculum**

Our strong liberal arts core supports students as they develop the skills, knowledge, and values necessary for lifelong intellectual engagement, professional success, and responsible citizenship. The core experience provides students with opportunities to build an array of thinking and communication skills, while acquiring a broad base of knowledge from diverse disciplines and cultures. It promotes active learning and community engagement through scholarship and application of knowledge. The core fosters critical thinking, creativity, integrity and flexibility. The core experience complements each program of study so that students graduate from UMM ready to live full and interesting lives.

**I. MAINE COASTAL ODYSSEY 14-16 CR**

First-Year Seminar	1-3
ELA 101 Recreation & Wellness	3
ELA 113 Natural Environments*	4
ELA 112 Community & Place	3
ELA 342 Humans & Nature	3

\* May also be satisfied by any of the Scientific Inquiry courses below.

**II. COMMUNICATION SKILLS 6 CR**

ENG 101 Composition	3
SPE 104 Public Speaking	3
Advanced Level Writing (in program)	

**III. AESTHETIC PERSPECTIVES 4 CR**

Select courses with a Requirement Designation of "Aesthetic Perspectives" from at least two of the following areas: art, dance, music, theater, interdisciplinary fine arts, video production and/or creative writing.

At least one credit must be taken in studio or performing arts.

**IV. HISTORICAL PERSPECTIVES 6 CR**

Select one of the following:	3
HTY 115 World History I	
HTY 116 World History II	
Select any other 200 or 300-level HTY course	3

**V. LITERARY PERSPECTIVES 3 CR**

Select one of the following:	3
ENG 113 Intro to Humanities	
ENG 114 Topics in World Literature	
ENG 117 Intro to Literary & Cultural Studies	
ENG 118 Topics in Contemporary Literature	

**VI. GLOBAL PERSPECTIVES 3 CR**

Select one of the following:	3
ANT 101 Cultural Anthropology	
ART 201 Art History I*	
ART 202 Art History II*	
BUS 334 International Business	
CMY 220 Soliya	
ENG 224 Masterpieces of World Literature	
GEO 101 Intro to Geography	
HTY 115 or 116 World History I or II**	
HTY 321 World Environmental History**	
Any foreign language course	
Any 3-credit course that includes an approved study abroad trip	

Any approved study abroad transfer credit  
An approved study abroad experience

- \* Course may not also be used to satisfy Aesthetic Perspectives requirement.
- \*\* Course not used to fill Historical Perspectives requirement.

**VII. SOCIAL SCIENCES & THE ENVIRONMENT 3 CR**

Select one of the following:	3
ANT 212 Environmental Anthropology	
ANT 313 Political Ecology	
ECO 223 Environmental Economics	
ENV 112 Environmental Issues	
POS 305 Environmental Policy	
PSY 317 Environmental Psychology	
PSY 334 Community Psychology & the Environment	
REM 327 Recreational Behavior & the Environment	

**VIII. SCIENTIFIC INQUIRY 3-4 CR**

Select one of the following:	
ELA 113 Natural Environments	
BIO 117 This is Life!	
CHY 101 General Chemistry I	
ENV 103 Oceanography	
MTR 101 Meteorology	
PHY 111 Physics I	

**IX. MATHEMATICAL LITERACY 3-8 CR**

Select any two MAT courses at or above the 100-level. One of these courses may be MAT 102 Intermediate Algebra or its equivalent (see below).

Ways to establish equivalence to MAT 102:

1. Score at least 500 on SAT math exam or at least 21 on ACT math exam.
2. Score 50 or better on CLEP College Mathematics or College Algebra exam taken after 7/1/2001 or 500 or better on same exam taken before that date.
3. Place beyond Intermediate Algebra on Accuplacer placement exam.

Note: Credit will not be awarded for choices 1 and 3 above.

**X. WRITING REQUIREMENTS**

All students are required to participate in an academic writing intensive experience beyond ENG 101. In recognition of the importance of writing in

all disciplines, the faculty has infused writing intensive coursework throughout the curriculum.

Students are also required to take an advanced level writing course, which is built into the curriculum of each degree program.

## **XI. SERVICE REQUIREMENT**

As a public institution of higher education, UMM has a responsibility to prepare students not only for their future careers, but also for their obligations as citizens in their communities and in the world. In addition to fostering students' intellectual development, UMM is also dedicated to the idea that students should develop ethically and socially, becoming responsible citizens. Students engage in service in several ways:

*Program-Specific Service Options* are designed into the required curriculum in certain degree programs.

*Community Service* is documented voluntary work performed over an extended period of time that has use for the community and would not be done through other means.

*Service-Learning Courses*, while incorporating a community service component, link the service to the course content and learning objectives. Thus service-learning courses link theory with practice in an experiential learning activity, allowing students to deepen their understanding of the curriculum. Faculty and students collaborate with community agencies to provide needed services to the non-campus community.

## ***BACHELOR OF ARTS***

UMM offers the Bachelor of Arts degree with majors in

***Biology***  
***English, Creative Writing, and Book Arts***  
***Interdisciplinary Fine Arts***  
***Interdisciplinary Studies***  
***Psychology & Community Studies***

Programs are designed to develop the skills necessary to learn actively, think clearly and creatively, work independently and collaboratively and communicate precisely. Intensive work in their major will prepare students for immediate employment or graduate studies, or provide personal enrichment.

To complete the Bachelor of Arts degree programs listed above, students must satisfy both the University Core requirements and the requirements in a major field. Students must accumulate a minimum

of 120 credits with a minimum cumulative Grade Point Average of 2.00.

## **Biology Major**

Biology is one of the traditional liberal arts; it informs us about ourselves, the dynamics of the natural world, and how we interact with our environment. In so doing, biology complements the other liberal arts programs as a context for human endeavors.

Biology provides the basis of knowledge in the areas of medicine, agriculture, biotechnology, and ecology. Studies of nature have long been the inspiration for works of art, literature, and music. At the same time, rapid advancements in biotechnology affect nearly every facet of our lives from the foods we eat and the drugs we take, to the fibers that are used to make our clothes. With our increasing ability to manipulate the genetic structure of organisms, as well as the structure and composition of entire ecosystems, comes an increased responsibility for all citizens to act in an informed manner.

Within that context, the major objectives of the B.A. in Biology at UMM are to:

- (1) provide a broad and substantive training in scientific inquiry appropriate for students seeking careers in the biological sciences or in secondary education immediately following graduation;
- (2) provide rigorous training for students planning to further their education in professional studies or graduate school; and
- (3) allow sufficient flexibility to encourage students to pursue a concentration, a minor, or a second major.

Students will study biological systems at the level of the cell, the organism, and the ecosystem. Courses in mathematics, physics, and chemistry will enhance students' understanding of the physical laws that govern the activities of living organisms. All coursework is enhanced by extensive study in the laboratory and in the field with emphasis on hypothesis formulation and testing, and experimental design.

All students in the biology major are required to complete 57 credits of program requirements. A highlight of these requirements is the opportunity to participate in a Senior Thesis that allows students to do an in-depth study of an area of particular interest. Alternatively, students may enroll in a Senior Seminar that explores advanced topics in biology based on a student's previous training. Students may elect additional coursework to complete a Pre-

Professional, Wildlife Biology, or Fisheries Biology concentration. Biology courses required in either concentration will fulfill biology electives in the program requirements.

### General Requirements

All University Core requirements must be met in addition to the Biology program requirements. Note that completion of some courses within the major, such as in mathematics, will also fulfill Core requirements. Students must earn a minimum of 120 credits and achieve a cumulative GPA of at least 2.00.

A minimum cumulative GPA of 2.00 in the degree program requirements is necessary for graduation. This GPA must be achieved by the completion of a total of 60 credits. If the student fails to maintain this average in subsequent semesters, a warning may be issued. A student may lose matriculated status if the average remains below 2.0 after the completion of another 12 credits. Students may petition to be readmitted to the program.

<b>Program requirements</b>	<b>33 cr</b>
BIO 117 This is Life!	4
BIO 118 Animal Life	2
BIO 119 Plant Life	2
BIO 245 General Ecology	4
BIO 334 Cell Biology	4
BIO 340 Evolution	3
BIO 353 Genetics	4

Select one pair from the following:

BIO 401-403 Senior Thesis and BIO electives at 200 level or higher	3 7
<b>OR</b>	
BIO 404-406 Senior Thesis in Research and BIO electives at 200 level or higher	6 4
<b>OR</b>	
BIO 410 Senior Seminar in Biology and BIO electives at 200 level or higher	3 7

<b>Cognate course requirements</b>	<b>24 cr</b>
CHY 101 General Chemistry I	4
CHY 102 General Chemistry II	4
CHY 221 Organic Chemistry I	4
MAT 126 Calculus I	4
PHY 111 Physics I	4

Select one from:	4
MAT 127 Calculus II	
PHY 112 Physics II	

A student may select one of the concentrations below. A concentration is not required to complete the Biology degree.

### Pre-Professional Concentration 27-31 cr

The pre-professional concentration is designed for students planning to pursue careers in medicine, veterinary medicine, dentistry, optometry, pharmacy, or other professions requiring a rigorous background in the life and physical sciences. Courses within this concentration will prepare students to successfully complete entrance exams required by professional schools. Students are encouraged to meet early and often with their advisor to prepare other aspects of their education such as internships, workshops, and volunteer activities in their desired field.

BIO 221 General Microbiology	4
Choose either:	4-8
BIO 234 Animal Physiology <b>or</b>	
BIO 110 Human Anatomy & Physiology I <b>and</b>	
BIO 230 Human Anatomy & Physiology II	
BIO 350 Developmental Biology	3
CHY 222 Organic Chemistry II	4
CHY 322 Biochemistry	4
MAT 127 Calculus II	4
PHY 112 Physics II	4

Since some of the above courses will also meet program requirements, the pre-professional concentration requires only an additional 16 to 23 credits.

### Wildlife Biology Concentration 33-35 cr

BIO 235 Intro to Fisheries & Wildlife Management	3
BIO 355 Conservation Biology	4
BIO 229 Plant Systematics	4
GIS 230 GIS Applications I	4
MAT 215 Applied Statistics	4

Choose one course from:	2-4
ENV 105 Intro to Trees & Wildflowers of Maine	
BIO 333 Plant Ecology	

Choose two courses from:	8
BIO 212 Ornithology	
BIO 216 Mammalogy	
BIO 218 Herpetology	
BIO 224 General Entomology	

Choose one course from:	4
MAT 127 Calculus II	4
BIO 315 Experimental Design & Analysis for Biologists	

Since some of the above courses will also meet program requirements, the Wildlife Biology concentration requires only an additional 22 to 31 credits.

**Fisheries Biology Concentration 34 cr**

BIO 235	Intro to Fisheries & Wildlife Management	3
BIO 313	Ichthyology	4
BIO 355	Conservation Biology	4
GIS 230	Geographic Information Systems Applications I	4
MAT 215	Applied Statistics	4
<i>Choose one course from:</i>		4
ENV 103	<i>Oceanography</i>	
BIO 324	<i>Limnology</i>	
<i>Choose two courses from:</i>		8
BIO 221	<i>Microbiology</i>	
BIO 227	<i>Invertebrate Zoology</i>	
BIO 224	<i>General Entomology</i>	
<i>Choose one course from:</i>		4
BIO 315	<i>Experimental Design &amp; Analysis for Biologists</i>	
MAT 127	<i>Calculus II</i>	
GIS 330	<i>GIS Applications II</i>	

Since some of the above courses will also meet program requirements, the fisheries biology concentration requires only an additional 22 to 30 credits.

**General Electives**

Students are encouraged to consult with their advisors in selecting elective courses in and out of biology with future career plans and personal interests in mind.

**English, Creative Writing, and Book Arts Major**

The wild coastal region of Downeast Maine captivates the imagination of poets, writers, and artists. Drawing inspiration from this setting, the English, Creative Writing, and Book Arts program offers individualized training in literature with a special focus on writing, publishing, and book arts.

The program’s unique curriculum combines the scholarly study of literature, writing, and the aesthetics of hands-on practical publishing so the student can engage in the complete process of literature from inspiration through publication to marketing and publicity. Students select courses in American, British, and world literature. They

practice their craft as writers through these courses and through workshops and independent studies in fiction, poetry, creative nonfiction, and screenwriting. Through class work and internship opportunities, students gain invaluable experience in book and periodical publication in its many different forms — fine letterpress, desktop, digital, and high-speed production.

Students are directly involved in editing, book design, printing, and marketing of various publications, including books produced by the UMM Press. Work takes place in small classroom settings and in the program’s professional Book Arts Studio, all located in the last untouched section of the eastern seaboard.

**Career Preparation**

There is no better time to study literature, creative writing, and book arts than the present. Historically, the demand has never been higher for individuals with outstanding skills in written and spoken communication. As books undergo revolutionary changes in the digital age, there comes both a renewed appreciation for the traditional handcrafts as well as an exciting exploration of new possibilities. The English, Creative Writing, and Book Arts Program uniquely prepares its majors for success. The program provides a seamless transition to graduate degrees in English, creative writing, and book arts, but it also provides a solid foundation for other careers: journalism, editing, publishing, book design, teaching, marketing, public relations, archive and museum management, law, library science, and broadcasting. Importantly, all students leave the program with hands-on experience in editing, publishing, and the aesthetics of book design.

**General Requirements**

The English, Creative Writing, and Book Arts major consists of a minimum of 52 credits, which includes three courses (ENG 117, ENG 224 and ART 216) that satisfy University Core requirements. In addition, the major requires a GPA of at least 2.25 in courses used to satisfy program requirements. All students take the general program requirements and select either the Book Arts, Creative Writing or Literary Studies concentration.

In addition to major requirements, students must complete the University Core. Note that some Core requirements may be met by certain program requirements. To graduate, students must earn a minimum of 120 credits and achieve a cumulative GPA of at least 2.00.

**Program Requirements** 40 cr

**Creative Writing Requirements**

ENG 210 Beginning Creative Writing 3

Select two courses from: 6

ENG 231 Techniques of Poetry

ENG 232 Techniques of Fiction

ENG 233 Techniques of Creative  
Nonfiction

**Book Arts Requirements**

ART 216 Book Arts 3

ART 322 Book Design & Publishing 3

ENG 236 Professional Editing 3

**Literary Studies Requirements**

ENG 117 Intro to Literary & Cultural  
Studies 3

ENG 224 Masterpieces of World Literature 3

ENG 325 Masterpieces of British Literature 3

ENG 327 Masterpieces of American Literature 3

**Communication Requirements**

ENG 207 Studies in Composition and Grammar 3

ENG 234 Career Writing 1

Junior Portfolio Review (milestone)

**Capstone Requirement**

Complete one of the following options: 6-12 cr

ENG 441 Professional Project and 3

ENG 441 Senior Project 3

OR

EDU 490 Student Teaching 12

**Book Arts Concentration** 12 cr

ART 217 Papermaking 3

ENG 242 Electronic Publishing 3

ART 326 Book Arts II 3

Select one course from: 3

ART 214 Graphic Design

ART 214 Illustration

ENG 345 Book Culture & Knowledge

**Creative Writing Concentration** 12 cr

Select 6 additional credits in creative  
writing at or above 200 level. 6

Select 6 additional credits in creative writing  
at or above 300 level. 6

**Literary Studies Concentration** 12 cr

Select one course from: 3

ENG 451 Chaucer

ENG 453 Shakespeare

Select 6 additional credits in literature electives at or  
above 200 level that focus on major works of the  
literary canon 6

Select 3 additional credits in literature electives at or  
above 300 level that focus on major authors of  
the British or American canon 3

## Interdisciplinary Fine Arts Major

UMM's B.A. degree in Interdisciplinary Fine Arts adds new twists to traditional arts programs. Individualized learning plans, intense focus on one area of the arts, and interdisciplinary interactions among many arts characterize the program. Students concentrate in book arts, creative writing, music or visual arts but they learn about all the arts. The program includes rich interactions with all teachers in the fine arts areas and students in the program. The program is also heavily experiential. Students produce their own books, concerts, gallery exhibits, magazines, and radio shows. They learn how to survive in the world of art. At the same time, the B.A. curriculum helps develop skills associated with the traditional liberal arts: thinking, communication, collaboration, and creativity.

### Career Options

Studies have shown that when you learn about more than one art, you hone skills in communication and problem solving. These skills are in high demand in today's job market. Through an interdisciplinary approach, a student can become an artist and an arts manager, a writer and on-line graphic designer, a musician and a teacher, or an art therapist. With a B.A. degree, students can also pursue graduate study in multiple fields such as law, counseling, or library science. They can undertake advanced study in the art area of their choice.

### General Requirements

Students who major in Interdisciplinary Fine Arts must complete University Core requirements, program requirements, and the requirements in one concentration (18-21 credits). To graduate, students must earn at least 120 credits and achieve a cumulative grade point average of at least 2.00.

**Program Requirements** 33 cr

**Discovery & Experience**

Select one: 3

ART 101 2-D Fundamentals of Art

ART 102 Art Fundamentals: 3-D

MUS 119 Fundamentals of Music 3

THE 101	Intro to Theatre	3
ENG 210	Beginning Creative Writing	3
	Foreign Language	6

### ***Integration & Involvement***

FIA 103	First-Year Seminar	3
FIA 213	Sophomore Seminar	3
FIA 323	Junior Seminar	3
FIA 400	Senior Seminar	3

### ***Application & Culmination***

FIA 460	Senior Project	3
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### **Book Arts Concentration 21 cr**

ART 216	Book Arts I	3
ART 217	Papermaking	3
ART 326	Book Arts II	3
ENG 242	Electronic Publishing	3
<i>Select one:</i>		3

ENG 236 Professional Editing

ART 213 Graphic Design I

ART 214 Illustration

ART 218 Printmaking

ENG 441 Professional Project 3

ENG 442 Senior Project\*\* 3

\*\* Students in the Book Arts concentration will also take FIA 400 Senior Seminar and complete the FIA 460 Senior Project.

### **Creative Writing Concentration 18 cr**

ART 216	Book Arts I	3
ENG 471	Advanced Creative Writing Workshop	3
<i>Select 6 credits from the following:</i>		6

ENG 231 Techniques in Poetry

ENG 232 Techniques in Fiction

ENG 233 Techniques in Creative Nonfiction

*Select 6 credits from the following:* 6

ENG 328 Screenwriting

ENG 352 Fiction Writing: Intermediate

ENG 353 Poetry Writing: Intermediate

ENG 371 Intermediate Creative Writing Workshop

### **Music Concentration 18 cr**

MUS 115	Intro to Music: Listening	3
MUS 214	Music Theory I	3
<i>Select one of the following:</i>		3

MUS 312 Music History I

MUS 313 Music History II

*Select 6 credits of applied music from different areas (including keyboard, voice, and 1 additional area): 6*

MUS 1-301 Chorale

MUS 103 Applied Music: Private Lessons

MUS 1-407 Applied Music: Performance Groups

*Select 3 credits from the following:* 3

MUS 211 Topics in Music

MUS 223 Songwriting

MUS 312 Music History I

MUS 313 Music History II

MUS 324 Music Theory II

### **Visual Arts Concentration 18 cr**

ART 201	Art History I	3
ART 202	Art History II	3
ART 210	Drawing I	3
ART 211	Painting I	3
ART 220	Sculpture	3
ART 320	Life Drawing	3

### **Self-Designed Concentration 18 cr**

Students may, in consultation with their advisor, propose an Interdisciplinary Fine Arts concentration of their own design. The proposal must be approved by the advisor, a committee of three Interdisciplinary Fine Arts faculty, and the chair of the Arts & Letters Division. Students must complete the proposal by the time they have completed 45 credits toward their degree.

A self-designed concentration must include at least 18 credits, in addition to FIA 400 and FIA 460, and a minimum of 12 credits at or above the 200 level, of which at least 6 credits must be at the 300 or 400 level.

## **Interdisciplinary Studies Major**

The Bachelor of Arts in Interdisciplinary Studies degree provides a broad, flexible, student-driven interdisciplinary liberal arts experience. The program will prepare students to apply multiple perspectives within complex settings by combining tools from various disciplines. Students will gain appreciation for the many ways scholars employ modes of communication and analysis to explore the world's phenomena.

The Interdisciplinary Studies Major requires 36 hours of interdisciplinary coursework from across the curriculum, as well as a 3-credit capstone course. In addition, at least 18 credits in the major must be at or above the 200-level. At least 9 credits in the major must be at or above the 300-level. Students must achieve a 2.0 grade point average in the courses used to satisfy the program requirements. Courses used to

meet program requirements are in addition to those used to fulfill the Core curriculum.

Students must also complete the University core curriculum, and a total of 120 credit hours with a 2.0 cumulative grade point average. Students are encouraged to complete a minor related to their capstone, as well as complete an internship or cooperative education experience.

### **Program Requirements** **39 cr**

At least 9 credits in the major must be at or above the 300 level.

At least 18 credits in the major must be at or above the 200 level.

### **Social Sciences** **9**

*Select 9 credits from the following subject areas:*

ANT	Anthropology
BEH	Behavioral Science
CMY	Community Studies
ECO	Economics
GEO	Geography
HTY	History
POS	Political Science
PSY	Psychology
SOC	Sociology
SSC	Social Sciences

### **Natural Sciences** **9**

*Select 9 credits from the following subject areas:*

AST	Astronomy
BIO	Biology
CHY	Chemistry
ENV	Environmental Studies
GEY	Geology
MTR	Meteorology
PHY	Physics
MAT	Mathematics*

### **Humanities** **9**

*Select 9 credits from the following subject areas:*

AME**	American Studies
ART	Art
ASL	American Sign Language
DAN	Dance
ENG	English
FIA	Interdisciplinary Fine Arts
FRE	French
HUM	Humanities
MUS	Music
PHI	Philosophy
SPA	Spanish
SPE	Speech
THE	Theatre
VID	Video

WRI	Writing
WST**	Women's Studies

### **Professional Studies** **9**

*Select 9 credits from the following subject areas:*

ACC	Accounting
BUS	Business
CSE	Computer Studies
EDU	Education
GIS***	Geographic Information Systems
MAN	Management
MAR	Marketing
PHE	Physical Education
REM	Recreation Management
SED	Special Education
SES	Secretarial Studies

The above is not intended to be an exhaustive list of subjects. Students must seek approval in advance for subject codes not listed.

### **Capstone course** **3**

INT 400 Interdisciplinary Studies: Capstone Project **3**

*The interdisciplinary capstone course will include development of a portfolio. This course will explore the applications and extensions of interdisciplinary learning. Students will complete an interdisciplinary project, and participate in discussions of interdisciplinary collaborations in the workplace and the natural environment.*

\* Does not normally meet Science requirement in other programs

\*\* Considered Social Science electives in all other programs

\*\*\* Normally considered a Science elective in other programs

## **Psychology & Community Studies Major**

The Psychology & Community Studies major is an interdisciplinary, community-engaged program, drawing from anthropology, psychology, sociology, community studies, economics, natural sciences, the arts, and humanities. In exploring the cultural heritage and issues affecting the human communities of Downeast Maine, students obtain a place-based, service-oriented education where they learn how to understand, manage, and promote change — change in their lives, change in society, and global change.

Students complete either the Applied Psychology or Disabilities in Youth concentration.



## Career Options

The Psychology & Community Studies major can prepare the student for a career in human services, research, social work, health sciences, advertising, marketing, personnel and business management, public administration, case management, advocacy, conflict mediation, drug counseling, social work and a variety of entry-level positions in service agencies. Career prospects for graduates in Psychology & Community Studies are further enhanced because the human and social service field continues to be a growing one.

Students can enter some positions with a bachelor's degree, whereas other positions require graduate or professional training. The Psychology & Community Studies faculty is committed to assisting students in planning a program of study that meets their career objectives.

## General Requirements

To graduate, students must earn a minimum of 120 credits and achieve a cumulative GPA of at least 2.00. Students must meet all University Core requirements in addition to program and concentration requirements. The University Core requirements may be met in part by certain Psychology & Community Studies program requirements. For example, the Global Perspectives core requirement is completed in this manner.

### Core Science & Math Requirements 7-8

Select one of the following:

BIO 117 *This is Life!* 4

ELA 113 *Natural Environments* 4

Select one of the following:

MAT 113 *Intro to Statistics or* 3

MAT 124 *Statistics for the Social Sciences* 3

MAT 215 *Applied Statistics* 4

### Theory & Perspective Requirements 18

ANT 101 Cultural Anthropology 3

CMY 101 Intro to Community Studies 3

PSY 110 Intro to Psychology 3

SOC 114 Intro to Sociology 3

Select one of the following: 3

PHI 201 *Ethics or*

PSY 222 *Psychology Profession & Ethics*

Select one of the following: 3

Foreign Language elective\*

CMY 310 *Online Communities & Culture*

Economics elective

\*ASL 101 *Intro to Sign Language recommended*

## Application Requirements 19

PSY 102 Personal Growth 3

PSY 211 Intro to Behavioral & Community Mental Health Systems 3

Select one course from: 3

CMY 220 *Soliya: Cross-Cultural Communication*

EDU 217 *Working w/Culturally Diverse Students*

PSY 214 *Psychology of Prejudice*

PSY 313 *Counseling Diverse Populations*

Select one course from: 3

ANT 212 *Environmental Anthropology*

ANT 313 *Political Ecology*

PSY 224 *Community Psychology & the Environment*

PSY 317 *Environmental Psychology*

COE 313 Community Experience\* 3

SSC 420 Research Methods and Design 4

BEH 450 Senior Project 3

\* Students in the Disabilities in Youth concentration may use SED 329 Internship in Special Education (3 cr) to satisfy this requirement.

## Applied Psychology Concentration 24 cr

### Theory & Perspective Requirements

Select one from: 3

PSY 212 *Lifespan I*

PSY 324 *Lifespan II*

PSY 201 *Developmental Psychology*

PSY 311 Social Psychology 3

PSY 420 Learning & Memory 3

PSY 442 Physiological Psychology 3

### Application Requirements

Psychology elective at or above 300 level 3

Psychology elective at any level 3

Social science\* elective at or above 300 level 3

Social science\* or foreign language elective at any level 3

\*from ANT, BEH, CMY, ECO, GIS, HTY, POS SOC, SSC, WST

## Disabilities in Youth Concentration 26-28

SED 201 Dimensions of Exceptionality 3

SED 320 Special Education Law 3

SED 325 Assessment in Special Education 3

SED 335 Program Planning in Special Education 3

SED 340 Communication & Collaboration in Special Education 3

SED 345 Behavior Strategies & Social Skills 3

SED 362 Typical & Atypical Expressive and Receptive Language 3  
*Select two of the following:\** 5-7  
*PSY 100 Animal Behavior & Selection of Service Dogs*  
*PSY 200 Behavioral Health Professional*  
*SED 316 Working with Students with Emotional Disabilities*  
*SED 355 Transitional Issues in Special Education*  
*SED 380 Working with Students with Autism Spectrum Disorders*

\* One of the electives should be an SED course to meet State of Maine minimum requirement of 24 credits hours.

# BACHELOR OF SCIENCE

UMM offers the Bachelor of Science degree with majors in

*Business & Entrepreneurial Studies*  
*Elementary Education*  
*Environmental Recreation & Tourism Management*  
*Environmental Studies*  
*Marine Biology*  
*Secondary Education*

To complete the Bachelor of Science degree programs listed above, students must complete the University Core, the general program requirements for their major field, and the specific requirements for their chosen concentration or specialization within their major program. Students must earn a minimum of 120 credits with a minimum cumulative Grade Point Average of 2.00.

## Business & Entrepreneurial Studies Major

Our Business and Entrepreneurial Studies program emphasizes professional skills and entrepreneurial talents. Entrepreneurship infuses and inspires the curriculum, from introductory business and marketing courses through capstone courses in entrepreneurship and real world experience.

Successful entrepreneurs are innovators, dreamers and doers. They are prudent risk takers and persistent and focused problem solvers. Our program seeks to encourage and develop entrepreneurs and an entrepreneurial culture.

Every Business & Entrepreneurial Studies student completes twelve foundation courses (36 credit hours) in business, marketing, accounting, economics and statistics, and then chooses a concentration of six, mainly upper-level, courses (18 credit hours). Students choose from concentrations in Accounting, Management, Marketing, and Sport and Fitness Management, or can design their own concentration, with the approval of the Business faculty.

The Business & Entrepreneurial Studies program provides students technical excellence and entrepreneurial spirit in a small-college atmosphere.

### Program Requirements **60 cr**

In addition to the major requirements, students must complete the University Core. Note that some

Core requirements may be met by certain Business & Entrepreneurial Studies requirements. To graduate, students must earn a minimum of 120 credits and achieve a cumulative grade point average of at least 2.00.

### Recommended Core Requirements

*Aesthetic Perspectives*  
 ART 213 Graphic Design I  
*Historical Perspectives*  
 HTY 307 American Economic History  
*Global Perspectives*  
 BUS 334 International Business  
*Social Sciences & the Environment*  
 ECO 223 Environmental Economics  
*Mathematical Literacy*  
 MAT 113 Statistics

### Foundation Courses **36cr**

ACC 201	Financial Accounting	3
ACC 202	Managerial Accounting	3
BUS 111	Intro to Business	3
BUS 212	Business Communications	3
BUS 221	Business Law I	3
ECO 201	Macroeconomics	3
ECO 202	Microeconomics	3
MAN 302	Small Business Management & Entrepreneurship	3
MAN 406	Entrepreneurship	3
MAR 101	Marketing & Entrepreneurship	3
	<i>Select one of the following:</i>	3
	<i>BUS 1xx Business Math &amp; Financial Literacy</i>	
	<i>MAT 105 Contemporary Mathematics</i>	
PSY 110	Intro to Psychology	3

### Accounting Concentration **18 cr**

	<i>Select one of the following:</i>	3
	<i>ACC 301 Intermediate Accounting I</i>	
	<i>BUA 201 Intermediate Financial Reporting I (UMA)</i>	
BUA 202	Intermediate Financial Reporting II (UMA)	3
ACC 314	QuickBooks Accounting for Entrepreneurs	3
	<i>Select one of the following:</i>	3
	<i>MAN 325 Finance</i>	
	<i>BUA 357 Business Finance (UMA)</i>	
	<i>Select 6 credits from the following:</i>	6
	<i>ACC 311 Individual Income Tax or</i>	
	<i>BUA 276 Taxation (UMA)</i>	
	<i>BUA 301 Governmental &amp; Not-for-Profit Accounting (UMA)</i>	
	<i>BUA 343 Advanced Accounting I (UMA)</i>	
	<i>BUA 345 Cost Management (UMA)</i>	

BUA 379	Accounting Information Systems (UMA)	
BUA 448	Auditing, Assurance & Consulting Services (UMA)	
COE 201	Cooperative Education	

Select three additional credits at the 300-level or higher from the following subject areas: ACC, BUS, COE, CSE, MAN, MAR, PHE, REM. Classes cannot count for both major and concentration requirements. 3

**Management Concentration 18 cr**

CSE 115	Business Spreadsheet Applications	3
<i>Select one of the following:</i>		
MAN 325	Finance	3
BUA 357	Business Finance (UMA)	
MAN 301	Management	3

Select three additional credits at any level from the following subject areas: ACC, BUS, COE, CSE, MAN, MAR, PHE, REM. Classes cannot count for both major and concentration requirements. 3

**Self-Designed Concentration 18 cr**

A Self-Designed concentration must be composed of at least 18 credit hours (additional to major major requirements), including at least 9 credits at the 300-level or higher. The Self-Designed concentration must be formally approved by the student's advisor and one other business faculty member.

*Select 9 credits from the following:* 9

ACC 314	QuickBooks Accounting for Entrepreneurs	
BUS 222	Business Law II	
BUS 325	Business Ethics & Social Responsibility	
BUS 332	Leadership & the Entrepreneur	
BUS 334	International Business	
COE 201	Cooperative Education	
MAN 318	Human Behavior in Organizations	
MAN 321	Operations Management	
MAN 332	Human Resource Management	
PSY 311	Social Psychology	
BUA 303	Management Information Systems (UMA) <b>or</b>	
BUS 244	Management Information Systems (UMPI)	

## Teacher Preparation Programs

Bachelor of Science degree students may major in Elementary Education (emphasis on grades K-8), or Secondary Education. Students majoring in Biology; English, Creative Writing & Book Arts; Interdisciplinary Fine Arts (with Visual Arts concentration); Marine Biology or Psychology & Community Studies\* may complete a Secondary Education minor that leads to certification in their fields, grades 7 through 12.

**Marketing Concentration 18 cr**

MAR 217	Social Media Marketing	3
MAR 218	Advertising	3
MAR 306	Marketing Management for Entrepreneurs	3

Students in our teacher preparation programs complete the University Core, liberal arts program, a sequence of professional courses and concentration requirements. Elementary Education majors select a concentration in either English & Language Arts, Environmental Literacy, Community-Engaged Learning, Marine Biology or Special Education. Secondary Education majors choose from concentrations in Art, English, Life Science, Mathematics, Physical Science, Social Studies and Special Education. Students seeking secondary certification may choose instead to major in their field and minor in Secondary Education.

*Select 9 credits from the following:* 9

COE 201	Cooperative Education	
MAR 323	Personal Selling	
MAR 324	Consumer Behavior	
MAR 3xx	Social Media Analytics	
MAR 3xx	International Marketing	
MAR 406	Marketing Research	
PSY 311	Social Psychology	

**Sport & Fitness Management Concentration 18 cr**

REM 202	Recreation Sports Methods	3
REM 314	Facility Operations & Design	3
REM 326	Athletic Administration & Sports Management	3

\* Students completing this major with a Secondary Education minor would be certified to teach Secondary Social Studies.

*Select one of the following:* 3

REM 213	Principles of Coaching	
REM 245	Personal Fitness Training	

**Education Emphasis**

We believe that knowledge and understandings are socially constructed and that knowledge is actively acquired. Teachers must first and always be learners. Neither knowledge nor quality of

performance is static, and it is important that students not only acquire knowledge and skills, but that they also form “habits of mind” that ensure ongoing inquiry and reflection that can support a lifetime of artful teaching. Artful teachers understand that good practice is based on sound educational theory and that as professionals, they must engage in ongoing self-directed professional development. We want our students to be passionate about learning and curious about things around them, so that they can model that passion and curiosity for their students.

To this end, our constructivist, collaborative, learner-centered, and inquiry-based teaching approaches encourage our students to teach in ways that they have been taught. Our classes actively engage and focus students on learning styles, differentiated instruction of diverse populations, as well as state and national initiatives such as Response to Intervention, Common Core Standards, and 21<sup>st</sup> Century Technology Skills.

Our education programs include a variety of in-school, short and long-term experiences during the first and sophomore years, and students are required to complete two semester-length internships during junior year. During their senior year, students develop a professional digital portfolio while completing a 15-week, full-time Student Teaching experience.

While local schools and teachers offer students rich opportunities, not only to practice specific teaching skills, but also to consider how particular philosophies and theories impact, and may be evidenced in, everyday practice, Education faculty often serve as a resource for regional organizations, schools and teachers. In addition, faculty in the various disciplines, draw on and contribute to the region’s unique human and natural resources, making it possible for students to synthesize experiences within and beyond university classrooms.

### Pluralism

It is the philosophy of UMM’s education program that curricula and courses provide a balanced and thoughtful approach to gender, race, ethnicity, and cultural diversity. Class presentations, discussions, assignments, evaluations, and texts incorporate, when appropriate, diverse histories, traditions, values, and behaviors. These multicultural components reflect local, national, and global human experiences and convey a sense of affirmation and appreciation of similarities and differences among people.

### Requirements to Apply for Student Teaching

In order to apply for student teaching, Elementary Education majors must have a minimum

grade point average (GPA) of 2.50 for the following courses. No grade in these subjects can be lower than C-.

ENG 101	Composition
SPE 104	Public Speaking
HTY 115/116	World History I or II
MAT 102	Intermediate Algebra
MAT 1xx	Math elective above MAT 102 Lab Science

### Minimum Cumulative GPA Requirements for Student Teaching:

2.50	Overall
2.50	Concentration
2.50	Professional Coursework (with no grade below C-)

### Additional Requirements

- Successful completion of Praxis I Core Academic Skills for Educators and Praxis II exams prior to application to student teach
- Criminal History Background Check

### Opportunities for Field Experiences

Field experiences are a major emphasis in all teacher preparation programs. Students work with pupils in schools each year as part of their course work. During their junior year they spend a minimum of 40 hours each semester in an internship while taking a classroom management course. They complete the equivalent of a full semester of student teaching in their senior year.

### Instructional Technology

Education students have access to several networked computer labs and a mobile MAC lab where they gain experience using and evaluating a variety of the latest technologies including Smartboard. Students will have the opportunity to work with a variety of instructional technologies which they will be able to incorporate into their future classrooms.

### Praxis

Prospective teachers should note that Maine law requires all applicants for teacher certification to pass the Praxis I Core Academic Skills for Educators and Praxis II exams. The Praxis I Core Academic Skills for Educators exams consist of three tests which must be passed with the following minimum scores:

- Reading 156
- Writing 162
- Mathematics 150

Students must successfully pass the Praxis I Core Academic Skills for Educators and Praxis II exams in the appropriate content area and submit scores PRIOR to their application to student teach in October or March, preceding the student teaching semester. Receipt of scores takes approximately 3-4 weeks after testing. Students should consult their advisor for further details and any subsequent changes to Maine Teacher Certification requirements.

### Certification Requirements

Education programs are reviewed by the State of Maine Department of Education. UMM's education program was reviewed in December 2015 and received a full unconditional approval to recommend teacher certification. This allows graduates who have successfully completed our approved programs, and earned qualifying scores on the Praxis I Core Academic Skills for Educators and Praxis II exams, to be granted certification by the State upon application for Maine's Teacher Certification. When necessary, programs are adjusted to meet Maine certification requirements.

UMM's Praxis pass rate for students who completed one of our approved programs in 2014-2015 was 100%.

### Elementary Education Major

The Elementary Education major is interdisciplinary and prepares students to understand young learners while teaching in single or multi-grade classrooms. Students complete the University Core; program Liberal Arts requirements, the professional requirements; and a concentration in English & Language Arts, Environmental Literacy, Community-Engaged Learning, Marine Biology or Special Education.

### Recommended Core Courses\*

#### Historical Perspectives

HTY 301 Maine & Local History

#### Literary Perspectives

ENG 113 Intro to Humanities or

ENG 114 Topics in World Literature

#### Global Perspectives

ANT 101 Cultural Anthropology or

GEO 101 Intro to Geography

#### Social Sciences & the Environment

ENV 112 Environmental Issues

\* Transfer students with eligible core exceptions may need to take additional courses to be eligible for State of Maine Department of Education Highly Qualified status.

## Education Requirements 55 cr

### Basic Requirements

Any 4-credit Science course (not used to meet the core requirement)	4
HTY 122 American History for Elementary Teachers	3
EDU 112 School and Community	3
EDU 216 Assessment & Curriculum Design	3
SED 201 Dimensions of Exceptionality	3

### Advanced Requirements

<i>Select one of the following:</i>	3
EDU 309 Educational Psychology	
EDU 339 Working w/Culturally Diverse Students	

### Internship I

EDU 327 Content Area Literacy Methods	3
SED 365 Differentiated Instructional Strategies	3

### Internship II

EDU 334 Integrated Reading and Language Arts Methods (K-6)	3
EDU 337 Classroom Management	3
EDU 344 Mathematics in the Elementary School	3

### Internship III

EDU 329 Elementary Social Studies Methods	3
EDU 332 Science Education Methods	3
SED 345 Behavioral Support & Intervention	3

### Capstone

EDU 490 Student Teaching*	12
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### Concentrations

Each student must select one area of concentration from the following options for additional study beyond the requirements listed under the Core and Education requirements for a total of 120 credits.

### English & Language Arts

#### Concentration 15 cr

ENG 117 Intro to Literary & Cultural Studies	3
ENG 207 Studies in Composition & Grammar	3

*One 200-level literature course not selected for the core*

Two literature courses at the 300-level or higher not selected for the core

#### Environmental Literacy Concentration 18 cr

BIO 245 General Ecology	4
EDU 328 Environmental Literacy	3

Any two 4-credit science courses not taken for the core or as an Education program elective 8  
 Any 3-credit science course not used above 3

**Community-Engaged Learning Concentration 15 cr**

PSY 214 Psychology of Prejudice 3  
 PSY 311 Social Psychology 3  
 SOC 114 Intro to Sociology 3  
 SOC 301 Rural Sociology 3  
 SOC 320 Sociology of Poverty 3

**Marine Biology Concentration 16 cr**

BIO 118 Animal Life 2  
 BIO 119 Plant Life 2  
 BIO 206 Intro to Marine Biology 4  
 ENV 103 Oceanography 4  
 Select one of the following: 4

BIO 223 Marine Mammals & Pelagic Birds  
 BIO 227 Invertebrate Zoology  
 BIO 313 Ichthyology  
 BIO 332 Intro to Mariculture

Students must also complete BIO 117 for the core and one other 4-credit science for a minimum of 24 credits of science.

**Special Education Concentration 15 cr**

SED 320 Special Education Law 3  
 SED 325 Assessment in Special Education 3  
 SED 335 Program Planning in Special Education 3  
 SED 362 Typical & Atypical Expressive & Receptive Language 3

Select one of the following: 3

SED 311 Working w/Families of Students w/Disabilities  
 SED 330 Math Methods in Special Education  
 SED 370 Teaching Reading & Writing to Students w/Special Needs  
 SED 380 Teaching Students w/Autism Spectrum Disorders

\* Students in the Special Education concentration take SED 490 Student Teaching in Special Education instead of EDU 490.

**Secondary Education Major**

Teacher education has a proud tradition in Downeast Maine. UMM graduates become enlightened teachers, drawing on a strong educational foundation in content and knowledge of students and

how they learn. Professors here model hands-on learning, and pass on an enthusiasm for knowledge that makes learning and teaching fun.

Students may choose one of two pathways to certification. They may major in Interdisciplinary Fine Arts (with a Visual Arts concentration); English, Creative Writing & Book Arts; Biology or Marine Biology or Psychology & Community Studies\* and minor in Secondary Education or they may choose to major in Secondary Education with a concentration in Art, English, Life or Physical Sciences, Mathematics, Social Studies or Special Education.

\* Students completing this major with a Secondary Education minor would be certified to teach Secondary Social Studies.

**Education Requirements 39 cr**

**Basic Requirements**

EDU 112 School & Community 3  
 EDU 216 Assessment & Curriculum Design 3  
 SED 201 Dimensions of Exceptionality 3

**Advanced Requirements**

SED 345 Behavioral Support & Intervention 3  
 Select one of the following: 3

EDU 309 Educational Psychology  
 EDU 339 Working w/Culturally Diverse Students

**Internship I**

EDU 327 Content Area Literacy Methods 3  
 SED 365 Differentiated Instructional Strategies 3

**Internship II**

EDU 321 Secondary Methods of Teaching 3  
 EDU 337 Classroom Management 3

EDU 490 Student Teaching\* 12

Students must select one of the concentrations below:

**Art Concentration 27 cr**

Select one of the following: 3

ART 101 2-D Fundamentals of Art or  
 ART 102 Art Fundamentals 3-D

Select one of the following: 3

ART 201 Art History I or  
 ART 202 Art History II

ART 210 Drawing I 3  
 ART 211 Painting I 3  
 ART 216 Book Arts I 3  
 PHI 212 Aesthetics 3

Select three Art electives at the 200-level or higher 9

**English Concentration** **27 cr**

ENG 117 <sup>§</sup>	Intro to Literary & Cultural Studies	3
ENG 207	Studies in Composition & Grammar	3
ENG 210 <sup>§</sup>	Beginning Creative Writing	3
<i>Select three English electives at the 200-level or higher</i>		9
<i>Select two English electives at the 300-level or higher</i>		6
<i>Select one English elective at the 400-level or higher</i>		3

**Life Sciences Concentration** **27 cr**

BIO 118	Animal Life	2
BIO 119	Plant Life	2
BIO 110	Human Anatomy & Physiology I	4
BIO 245	General Ecology	4
BIO 340	Evolution	3
BIO 353	Genetics	4
CHY 101	General Chemistry I	4
CHY 102	General Chemistry II	4

*Note: Students in this concentration need to complete BIO 117 This is Life! to fulfill Scientific Inquiry requirement.*

**Mathematics Concentration** **27-28 cr**

<i>Select one of the following:</i>		3-4
MAT 113	Intro to Statistics	
MAT 215	Applied Statistics	
MAT 122	Precalculus	4
MAT 126	Calculus I	4
MAT 127	Calculus II	4
MAT 200	College Geometry	3
MAT 200	Linear Algebra	3
<i>Select two Math electives numbered above</i>		6
MAT 102		

**Physical Science Concentration** **26 cr**

CHY 102	General Chemistry II	4
CHY 221	Organic Chemistry I	4
CHY 222	Organic Chemistry II	4
CHY 226	Undergraduate Research in Chemistry	2
CHY 234	Environmental Chemistry	4
PHY 111	Physics I	4
PHY 112	Physics II	4

**Social Studies Concentration** **27 cr**

GEO 101	Introduction to Geography	3
<i>Select one of the following:</i> <sup>§</sup>		3
HTY 115	World History I	
HTY 116	World History II	
HTY 103	American History I	3
HTY 104	American History II	3

<i>Select one History elective at 300-level or higher</i>		3
<i>Select one Economics elective</i>		3
<i>Select one Psychology elective</i>		3
<i>Select one Political Science elective</i>		3
<i>Select one Anthropology or Sociology elective</i>		3

<sup>§</sup> Course selected must be different than course used to meet core requirements.

**Special Education Concentration** **15 cr**

SED 320	Special Education Law	3
SED 325	Assessment in Special Education	3
SED 335	Program Planning in Special Education	3
SED 355	Transitional Issues in Special Education	3
<i>Select one of the following:</i>		3
SED 311	Working w/Families of Students w/Disabilities	
SED 330	Math Methods in Special Education	
SED 370	Teaching Reading & Writing to Students w/Special Needs	
SED 380	Teaching Students w/Autism Spectrum Disorders	

\* Students in the Special Education concentration take SED 490 Student Teaching in Special Education instead of EDU 490.

**Teaching Certification**

For post-baccalaureate students, UMM offers professional coursework leading to Elementary Certification (K-8), Secondary Certification (7-12), in the fields of Art, English, History, Life or Physical Science, or Mathematics, as well as certification in Special Education (K-12). It is possible to complete the certification program within three semesters if all content requirements are fulfilled. Maine has specific content requirements for Elementary Education Certification, but requirements for Secondary Certification in Maine vary according to the content area. Students with foreign educational credentials must submit transcripts for analysis to a credentialing agency.

Elementary Education Certificate requirements include 24 credit hours in liberal arts; six in English, six in Mathematics, six in Science, and six in Social Studies. Secondary Certification requires 24 credits in a content area. These courses may be completed prior to or after acceptance. Teacher Certification Programs require approximately 110 hours of classroom observation which may be accomplished in your local area school.

Additional requirements include maintaining a GPA of 2.5 in professional coursework, and



successfully passing the Educational Testing Service's (<http://www.ets.org>) Praxis I Core Academic Skills for Educators and Praxis II exams. Passing scores are required prior to student teaching application in October or March of the semester preceding student teaching.

Maine certification is generally transferable to other states and Canadian provinces. Due to our high Praxis cut scores, Maine has reciprocity with 40 states, New Brunswick, Ontario and Nova Scotia. Students should consult an advisor from the education faculty for specifics about this process.

Those wanting to teach in New Brunswick will want to accrue a total of 60 hours of Education courses in order to receive a New Brunswick Certification 5. These may be fulfilled by taking additional EDU courses offered on campus, on-line or from other UMS institutions. UMM also offers 40 credits in online Special Education (SED) courses which may be taken during fall, spring and summer. New Brunswick Elementary Certification seekers are also required to have at least 1 credit in a teachable art, music and physical education. We offer viable classes at UMM.

### **Elementary (K-8) Certification 45 cr**

In addition to meeting any content deficiencies identified in the transcript analysis, students who have already earned baccalaureate degrees and are preparing for elementary teaching certification should take the following:

EDU 112	School and Community	3
<i>Select one of the following:</i>		
EDU 309	Educational Psychology	3
EDU 339	Working w/Culturally Diverse Students	3
SED 201	Dimensions of Exceptionality	3
EDU 216	Assessment & Curriculum Design	3
EDU 329	Elementary Social Studies Methods	3
EDU 332	Science Education Methods	3
EDU 334	Integrated Reading and Language Arts Methods (K-6)	3
EDU 337	Classroom Management	3
SED 365	Differentiated Instruction Strategies	3
EDU 344	Mathematics in Elementary School	3
EDU 327	Content Area Literacy Methods	3
EDU 490	Student Teaching	12

### **Secondary (7-12) Certification 36 cr**

In addition to meeting any content deficiencies identified in the transcript analysis, students who have already earned baccalaureate degrees and are

preparing for secondary teaching certification should take the following:

EDU 112	School and Community	3
<i>Select one of the following:</i>		
EDU 309	Educational Psychology	3
EDU 339	Working w/Culturally Diverse Students	3
EDU 321	Secondary Methods of Teaching	3
EDU 327	Content Area Literacy Methods	3
EDU 337	Classroom Management	3
SED 365	Differentiated Instructional Strategies	3
EDU 216	Assessment & Curriculum Design	3
SED 201	Dimensions of Exceptionality	3
EDU 490	Student Teaching	12

### **Special Education Certification 39 cr**

Students who have already earned baccalaureate degrees and who are preparing for special education certification should take the following:

SED 201	Dimensions of Exceptionality	3
SED 320	Special Education Law	3
SED 325	Assessment in Special Education	3
SED 330	Mathematics in Special Education	3
SED 335	Program Planning/Curriculum Adaptation	3
SED 340	Communication & Collaboration	3
SED 345	Behavior Strategies & Social Skill Development	3
SED 370	Reading & Writing/Exceptional Student	3
<i>Select one course from:</i>		
SED 355	Transitional Issues/Students w/ Disabilities	3
SED 362	Typical/Atypical Expressive/ Receptive Language	3
SED 365	Differentiated Instructional Methods	3
SED 380	Students w/Autism Spectrum Disorder	3
SED 490	Student Teaching	12

## **Environmental Recreation & Tourism Management Major**

The Environmental Recreation & Tourism Management major provides an integrated study of outdoor recreation and tourism services. The program emphasizes learning and leadership in environmental contexts. Students gain strong managerial preparation. The overall learning objective of this program is to prepare professionals in the fields of recreation and tourism by cultivating a broad

understanding of leisure and recreation in our society while developing strong managerial skills. This program is accredited by the National Recreation and Park Association. Graduates are prepared to become Certified Park and Recreation Professionals, giving them national recognition.

All students may also acquire nationally recognized certifications while participating in this program. As part of required course work, students gain certificates in CPR, Red Cross First Responder, Snowmobile Safety, and Boating Safety. Also made available on a regular basis are certifications in Hunter Safety, Hunter Safety Instructors, Life-guarding, Water Safety Instructor, and National Alliance for Youth Sports, or American Coaching Effectiveness (ACE) coaching certification. Courses in this program, along with assistance from faculty, can help prepare anyone for the Registered Maine Guide license and/or the nationally recognized Red Card for firefighting.

After establishing a broad foundation, students focus in one of four areas, with ample opportunity for individual selection to fit the student's interests and educational goals.

Environmental Recreation & Tourism Management students gain on-the-job experience through participation in required cooperative education or internship experiences. One of these experiences will be at least 10 weeks in length for a minimum of 400 hours. Opportunities exist for intensive work experiences during either the summer or the regular academic year in such areas as ski operations, state and national parks, tourist bureaus, municipal recreation programs, summer camps, outfitting/guiding, programs or agencies serving people with special needs, YMCA or YWCA programs, commercial recreation enterprises, tourist resorts, the armed forces, and outdoor education centers. In addition, selected students may complete a more formal, semester-long internship during the senior year.

### General Requirements

Environmental Recreation & Tourism Management students must complete the University Core required for all baccalaureate programs and must choose MAT 113 as part of the mathematics requirement. Students must also complete a concentration in Conservation Law, Leisure Programming, Recreation & Natural Resources or Sport & Fitness Management. A total of 120 credits and a cumulative GPA of 2.0 are needed to graduate with a B.S. in Environmental Recreation & Tourism Management.

### Program requirements 48 cr

BUS 221	Business Law I	3
COE 301	Cooperative Education for ERTM Majors	6
MAR 101	Marketing & Entrepreneurship	3
REM 110	Intro to Environmental Recreation & Tourism Management	3
REM 115	History & Philosophy of Recreation	3
REM 201	Leisure Activities	3
REM 219	Intro to Tourism	3
<i>Select one of the following:</i>		3
REM 213	<i>Principles of Coaching or</i>	
REM 230	<i>Outdoor Leadership</i>	
REM 226	Recreation Program Planning	3
REM 314	Facilities Operations & Design	3
REM 305	Recreation Computer Applications	3
REM 311	Recreation Services for Special Populations	3
REM 321	Recreation Administration and Supervision	3
REM 327	Recreational Behavior & the Environment	3
REM 442	Recreation Seminar	3

### Additional requirement 3 cr

MAT 113	Intro to Statistics	3
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### Conservation Law Concentration 24-26

CRJ xxx	Law Enforcement Pre-Service	3
CRJ xxx	Any 100-level Intro to Criminal Justice course	3
ENV 201	Wildlife Forensics	3
REM 121	Outdoor Recreation I	3
<i>Select one of the following:</i>		4
REM 205	<i>Recreation Safety &amp; First Aid</i>	
REM 212	<i>Wilderness First Responder</i>	
REM 411	Recreation & Wilderness Resources	3
<i>Select one of the following:</i>		3
GIS 230	<i>GIS Applications I</i>	
REM 123	<i>River Canoeing &amp; Camping</i>	
REM 125	<i>Sailing &amp; Basic Seamanship</i>	
REM 211	<i>Recreational Hunting &amp; Fishing</i>	
REM 221	<i>Fundamentals of Search &amp; Rescue</i>	
REM 227	<i>Backcountry Expedition Skills</i>	
REM 353	<i>River Trip Guiding</i>	
<i>Select one of the following:</i>		2-4
BIO 235	<i>Intro to Fish &amp; Wildlife Management</i>	
CRJ 201	<i>Criminal Justice Ethics</i>	
CRJ 215	<i>Principles of Investigation (UMFK)</i>	
CRJ 250	<i>Criminal Law (UMPI)</i>	
CRJ 346	<i>Environmental Law (UMFK)</i>	

ENV 105 *Into to Trees & Wildflowers of  
Maine*  
REM 431 *Visitor Management in  
Conservation Areas*  
REM 443 *Recreation Leadership Practicum*

**Leisure Programming Concentration 24**

REM 202 *Recreational Sports Methods* 3  
REM 317 *Principles of Experiential  
Education* 3  
REM 229 *Camp Counseling* 3

*Select 3 hours from the following Outdoor/Activity  
courses: 3*

PHE 101 *Physical Education Activity*  
PHE 103 *Open Water I SCUBA*  
PHE 201 *Physical Education Activity*  
PHE 210 *Advanced Open Water SCUBA*  
REM 121 *Outdoor Recreation I*  
REM 123 *River Canoeing & Camping*  
REM 125 *Sailing & Basic Seamanship*  
REM 211 *Recreational Hunting & Fishing*  
REM 212 *Wilderness First Responder*  
REM 214 *Recreational Underwater  
Archaeology*  
REM 221 *Fundamentals of Search & Rescue*  
REM 227 *Backcountry Expedition Skills*  
REM 230 *Outdoor Leadership*  
REM 353 *River Trip Guiding*

*Complete 12 hours from the following: 12*  
*Course(s) must be in addition to those taken to  
satisfy other program or concentration  
requirements.*

**Sport & Fitness Management courses:**

BIO 108 *Introduction to Human Nutrition*  
BIO 110 *Human Anatomy & Physiology I*  
BIO 230 *Human Anatomy & Physiology II*  
PSY 223 *Sport Psychology*  
REM 200 *Group Fitness Instruction*  
REM 213 *Principles of Coaching*  
REM 224 *Athletic & Recreational Injury  
Management*  
REM 245 *Personal Fitness Training*  
REM 323 *Principles of Strength &  
Conditioning*  
REM 326 *Athletic Administration*

**Recreation Management elective courses:**

REM 205 *Recreation Safety & First Aid*  
REM 207 *Lifeguard Training & Aquatics  
Management*  
REM 210 *Nature-Based Tourism &  
Sustainable Development*  
REM 319 *Topics in Tourism & Hospitality  
Management*  
REM 411 *Recreation & Wilderness  
Resources*

REM 412 *Park Interpretation*  
REM 414 *Grant & Proposal Writing*  
REM 431 *Visitor Management in  
Conservation Areas*  
REM 443 *Recreation Leadership Practicum*  
**Outdoor/Activity courses listed above.**

**Business courses.** Any course with one of the  
following subject designators:

ACC Accounting  
BUS Business  
MAN Management  
MAR Marketing

**Recreation & Natural Resources  
Concentration 24 cr**

REM 121 *Outdoor Recreation I* 3  
REM 411 *Recreation & Wilderness  
Resources* 3  
REM 412 *Park Interpretation* 3  
REM 431 *Visitor Management in Conservation  
Areas* 3

*Select 12 hours from the following: 12*  
*Course(s) must be in addition to those taken to  
satisfy other program or concentration  
requirements.*

**Outdoor/Activity courses:**

PHE 101 *Physical Education Activity*  
PHE 103 *Open Water I SCUBA*  
PHE 201 *Physical Education Activity*  
PHE 210 *Advanced Open Water SCUBA*  
REM 121 *Outdoor Recreation I*  
REM 123 *River Canoeing & Camping*  
REM 125 *Sailing & Basic Seamanship*  
REM 211 *Recreational Hunting & Fishing*  
REM 212 *Wilderness First Responder*  
REM 214 *Recreational Underwater  
Archaeology*  
REM 221 *Fundamentals of Search & Rescue*  
REM 227 *Backcountry Expedition Skills*  
REM 230 *Outdoor Leadership*  
REM 353 *River Trip Guiding*

**Recreation/Tourism courses:**

REM 210 *Nature-Based Tourism &  
Sustainable Development*  
REM 319 *Topics in Tourism & Hospitality  
Management*

**Environmental Studies courses:**

ANT 212 *Environmental Anthropology*  
ANT 313 *Political Ecology*  
ECO 223 *Environmental Economics*  
ENV 112 *Environmental Issues*  
HTY 321 *World Environmental History*  
POS 305 *Environmental Policy*  
PSY 317 *Environmental Psychology*  
PSY 224 *Community Psychology & the  
Environment*

**Biology, Environmental Studies, GIS or Geography courses.** Any course with one of the following subject designators:

BIO	Biology
ENV	Environmental Studies
GEO	Geography
GIS	Geographic Information Systems

### Sport & Fitness Management

#### Concentration 25

BIO 110	Human Anatomy & Physiology I	4
REM 202	Recreational Sports Methods	3
REM 224	Athletic Injury Management	3
REM 326	Athletic Administration	3

#### Concentration electives 12

Course(s) must be in addition to those taken to satisfy other program or concentration requirements.

Complete a minimum of 6 hours from the following **Sport & Fitness Management** courses:

BIO 108	Introduction to Human Nutrition
BIO 230	Human Anatomy & Physiology II
PSY 223	Sport Psychology
REM 200	Group Fitness Instruction
REM 213	Principles of Coaching
REM 245	Personal Fitness Training
REM 323	Principles of Strength & Conditioning

Complete up to 6 hours from the following **Business** courses. Any course with one of the following subject designators:

ACC	Accounting
BUS	Business
MAN	Management
MAR	Marketing

Complete up to 3 hours from the following **PE** Activity courses:

PHE 101	Physical Education Activity
PHE 201	Physical Education Activity

#### General electives 14 cr

As needed to earn the required program total 120 credits.

## Environmental Studies Major

The Bachelor of Science in Environmental Studies offers students a broad field of study encompassing various disciplines and one area of specialization. Environmental problems are multifaceted and contain biological, chemical, social,

historical, psychological, and economic elements that must be addressed. Thus, to understand the complexity of environmental problems and work effectively in an environmental career, an individual must have both an area of major academic concentration and a broad-based education. The Environmental Studies program requirements are structured to meet this dual need. Each student will take a minimum of 41 program credits and then select any minor to fulfill their concentration, representing the one area of specialization. The highlight of the program requirements is that each student will participate in an Issues & Actions course for each year they are at UMM. These Issues & Actions courses are designed for the students to apply their interdisciplinary knowledge and offer leadership opportunities, while working on a project dealing with the environment.

### General Requirements

All University Core requirements must be met, in addition to the Environmental Studies requirements. Note that completion of some courses within the major, such as in mathematics, will also fulfill Core requirements. Students must earn a minimum of 120 credits and achieve a cumulative GPA of at least 2.00.

A minimum cumulative Grade Point Average (GPA) of 2.00 in the program requirements is necessary for graduation. This GPA must be achieved by the completion of a total of 60 credits. If the student fails to maintain this average in subsequent semesters, a warning may be issued. The student may lose matriculated status if the average remains below 2.0 after the completion of another 12 credits. A student may petition to be readmitted to the program.

### Program Requirements 41-46

ANT 212	Environmental Anthropology	3
<i>Select one course from:</i>		
ANT 313	Political Ecology	3
POS 305	Environmental Policy	
BIO 117	This is Life!	4
BIO 118	Animal Life	2
BIO 119	Plant Life	2
BIO 245	General Ecology	4
CHY 101	General Chemistry I	4
CHY 102	General Chemistry II	4
ECO 223	Environmental Economics	3
ENV 112	Environmental Issues	3
ENV 224	Scientific Writing & Presentation	2
ENV 114	Environmental Studies:	
	Issues & Actions*	1-2
ENV 214	Environmental Studies:	
	Issues & Actions*	1-2

ENV 314	Environmental Studies: Issues & Actions*	1-2
ENV 414	Environmental Studies: Issues & Actions*	1-2
<i>Select one course from:</i>		3-4
MAT 215 <i>Applied Statistics</i>		
MAT 113 <i>Intro to Statistics</i>		

\* Four-year rotation of themes such as: Energy, Climate Change, Sustainable Agriculture/Communities, Local Environmental Issues

### Concentration:

All Students must complete a concentration based on fulfilling the requirements of any UMM minor (except Environmental Studies). The concentration must include a minimum of 24 credits, 9 of which must be at the 300 level, in the discipline of the minor.

## Marine Biology Major

UMM's location is ideal for courses related to marine biology, ecology, and mariculture. Students have direct access to inter-tidal and sub-tidal marine habitats and organisms, finfish and shellfish aquaculture sites and hatcheries, and commercial fishing ports. This access to marine environments gives UMM students unique field and laboratory experiences. All students in the Marine Biology major are required to complete 82-85 credits of program requirements.

### Program Goals

- To provide a rich and rigorous undergraduate experience in marine biology that focuses on the biological, social, and historic uniqueness of our geographic setting.
- To provide students an opportunity to enhance their analytical and communication skills through independent study or senior thesis.
- To provide students with access to mariculture or other marine-based industries to enhance their competitive advantage in the job market.
- To prepare students to think critically at all junctures of their academic and work-related careers.
- To provide rigorous training for students planning to further their education in professional studies or graduate school.

### General Requirements

All University Core requirements must be met, in addition to the program requirements. Note that

completion of some courses within the major, such as mathematics, will also fulfill Core requirements. Students must earn a minimum of 120 credits and achieve a cumulative GPA of at least 2.00.

A minimum cumulative Grade Point Average (GPA) of 2.00 in the program requirements is necessary for graduation. This GPA must be achieved by the completion of a total of 60 credits. If the student fails to maintain this average in subsequent semesters, a warning may be issued. The student may lose matriculated status if the average remains below 2.0 after the completion of another 12 credits. A student may petition to be readmitted to the program.

### Program requirements 55-58

BIO 117	This is Life!	4
BIO 118	Animal Life	2
BIO 119	Plant Life	2
BIO 206	Introduction to Marine Biology	4
BIO 245	General Ecology	4
BIO 227	Invertebrate Zoology	4
BIO 352	Algal & Marine Plant Ecology	4
BIO 353	Genetics	4
BIO 360	Marine Ecology	4
BIO 315	Experimental Design & Analysis for Biologists	4

*Select one of the following:* 3-6

BIO 482	<i>Senior Seminar in Marine Biology</i>	
BIO 460	<i>Seminar in Marine Ecology</i>	
BIO 401-3	<i>Senior Thesis in Biology</i>	
BIO 404-6	<i>Senior Thesis in Biological Research</i>	

CHY 101	General Chemistry I	4
CHY 102	General Chemistry II	4
ENV 103	Oceanography	4
MAT 215	Applied Statistics	4

### Ecological and Organismal 12

*Select 12 credits from:*

BIO 212	<i>Ornithology</i>	4
BIO 216	<i>Mammalogy</i>	4
BIO 221	<i>General Microbiology</i>	4
BIO 223	<i>Marine Mammals &amp; Pelagic Birds</i>	4
BIO 234	<i>Animal Physiology</i>	4
BIO 313	<i>Ichthyology</i>	4

<i>One of the following:</i>		4
BIO 310	<i>Special Topics in Mariculture</i>	
BIO 332	<i>Introduction to Mariculture</i>	
COE 305	<i>Internship in Science (in Mariculture)</i>	

**Select 15-16 credits from the following groups:15-16**

*No more than 8 credits may come from Management and Technology. A minimum of 8 credits must come from Research and Graduate Preparatory.*

**Management and Technology 0-8**

BIO 355	Conservation Biology	4
CHY 234	Environmental Chemistry I	4
CHY 311	Analytical Chemistry	4
GEY 111	Physical Geology	4
GIS 230	GIS Applications I	4
GIS 330	GIS Applications II	4
MTR 101	Meteorology	4

**Research and Graduate Preparatory 8-16**

CHY 221	Organic Chemistry I	4
CHY 222	Organic Chemistry II	4
CHY 322	Biochemistry	4
MAT 126	Calculus I	4
MAT 127	Calculus II	4
PHY 111	Physics I	4
PHY 112	Physics II	4

# BACHELOR OF COLLEGE STUDIES

The Bachelor of College Studies (BCS) program meets the individualized needs of students who have a strong desire to finish their Bachelor's degree, have earned at least 45 hours of college credit, and developed a clear and compelling set of program goals and learning objectives that can be achieved and supported by UMM courses and faculty. The general education and program requirements are broad and flexible enough to give many students the fastest and most affordable route to completing their degree. BCS students may take on-line and/or onsite classes, or a combination of the two.

Working closely with the BCS coordinator and an advisor appropriate to their concentration area, students must develop a Plan of Study that includes overall program objectives, student learning outcomes for the Self-Designed concentration, all course work to be completed in all areas of the program, and the planned capstone experience (i.e. BCS 460 or other equivalent). Once approved, the Plan sets the curriculum for the individualized program.

## General Requirements

Students must earn a minimum of 120 credits and achieve a GPA of at least 2.00 to graduate. Forty credits must be at or above the 200 level. While they are not required to meet all University Core requirements, students must take the general education courses listed below. A single course can only be used to fulfill one requirement in general education and self-designed concentration.

## General Education Requirements 44-49

### I. COMMUNICATION SKILLS 9 CR

- ENG 101 Composition 3
- SPE 104 Public Speaking/  
Communication 3
- (or a broad-based communication course)*
- Additional Writing course\* 3

### II. AESTHETIC KNOWLEDGE & APPRECIATION 3

*(from Art, Music, Dance, Theatre, Creative Writing, Interdisciplinary Fine Arts)*

### III. CULTURAL ENVIRONMENTS 6

*Select one course from two different areas listed below, for a total of two courses:*

- Art
- Music
- Theatre
- English
- Humanities
- Speech
- History
- Philosophy
- Writing
- Foreign Language

### IV. HISTORY 6

*(at least 3 credits of World or non-Western History)*

### V. SOCIAL ENVIRONMENTS 6

*Select one course each from two different areas listed below, for a total of two courses.*

#### *Environmental Liberal Arts*

*ELA 112 Community & Place*

#### *Behavioral Sciences*

*Any course in Psychology (PSY)*

#### *Social Sciences*

*Any UMM course from one of the following areas:\*\**

*Anthropology (ANT)*

*Sociology (SOC)*

*Social Sciences (SSC)*

*Women's Studies (WST)*

#### *Political and Economic Studies*

*Any course from one of the following areas:*

*Economics (ECO)*

*Political Science (POS)*

#### *Business Studies*

*Any course from one of the following areas:*

*Business (BUS)*

*Management (MAN)*

*Marketing (MAR)*

#### *Ethics and Philosophy*

*Any course in Philosophy (PHI)*

### VI. MATHEMATICAL LITERACY 3-6

Select any two MAT courses at or above the 100-level. One of these courses may be MAT 102 Intermediate Algebra or its equivalent (see below).

Ways to establish equivalence to MAT 102:

1. Score at least 500 on SAT math exam or at least 21 on ACT math exam.
2. Score 50 or better on CLEP College Mathematics or College Algebra exam taken after 7/1/2001 or 500 or better on same exam taken before that date.
3. Place beyond Intermediate Algebra on Accuplacer placement exam.

*Note: Credit will not be awarded for choices 1 and 3 above.*

**VII. NATURAL ENVIRONMENTS 4**

ELA 113 Natural Environments *or*  
Any 4-credit lab science

**VIII. GLOBAL PERSPECTIVES 3**

Any three-credit course that has a global perspective or focus. At UMM these courses include:

*ANT 101 Cultural Anthropology*  
*ART 201 Art History I*  
*ART 202 Art History II*  
*BUS 334 International Business*  
*CMY 220 Soliya*  
*ENG 224 Masterpieces in World Literature*  
*GEO 101 Intro to Geography*  
*HTY 115 World History I*  
*HTY 116 World History II*  
*HTY 321 World Environmental History*  
*Foreign Language*

**IX. PERSONAL WELLNESS 3 CR**

ELA 101 Recreation & Wellness  
Seminar 3

**IX. CORE CAPSTONE 3 CR**

ELA 342 Humans & Nature 3

\* Students must also meet the same *Advanced Level Writing* requirement as all UMM students. This is typically embedded in Program requirements below.

\*\* For transfer courses in area or group studies, a syllabus, course description and/or reading list may be requested to show relevance to social sciences.

**Self-Designed Concentrations**

Students in consultation with their academic advisor will draw up a plan for a concentration, including the name of the concentration, the goals, the learning outcomes, and the specific courses that the student will use to complete the concentration. The concentration and plan of study will be unique to each student. The concentration must be in an area of study that can be supported by UMM faculty and UMM courses, especially courses at or above the 300-level. The concentration may not duplicate, or be used to circumvent degree requirements of any degree program at UMM. The proposed Plan of Study must be approved by the academic advisor, the BCS Coordinator, the BCS Advisory Committee and the VPAA.

A minimum of 39 credits is required in each self-designed concentration. All course work should

focus on the goals and objectives of the proposed concentration. This may include independent studies, CLEP, Credit for Prior Learning, etc. A minimum of 12 credit hours in the concentration must be UMM course work. A minimum of 15 hours must be taken at the 300-level or above; of these 15 hours, a minimum of 9 hours must be UMM course work. The concentration must include a culminating integrative experience that clearly demonstrates the linkage between the concentration objectives and the student's academic work. This may be accomplished through completion of BCS 460 Senior Project/Capstone Experience or another appropriate senior seminar or capstone course. The concentration must also include at least one course which meets the Advanced Level Writing requirement of the University Core. Students must have a 2.0 GPA in the self-designed concentration to qualify for graduation.

All UMM residency requirements apply to BCS students, including a minimum of 30 credits of UMM coursework.

**Note:** If a student transfers from the Bachelor of College Studies program to any of the other baccalaureate degree programs, University Core requirements and the appropriate program requirements must be completed.