

# MINORS

A minor is a secondary area of specialization and competence that further prepares a student for a career and/or graduate work. Students who successfully complete all the coursework required for a minor with a 2.0 GPA in those courses, at the same time they complete a baccalaureate degree, will have the minor posted in the degree section of their transcript. A minor may only be awarded in conjunction with a baccalaureate degree and may not be added after degree completion.

Students who wish to strengthen their major or supplement their professional preparation may select an approved minor from the following list. It is recommended that students request an additional advisor from the field of the minor.

## American Studies Minor 24 cr

American Studies is an interdisciplinary program. It relies on multiple perspectives to explore cultural life, whose complexity defies the boundaries of traditional disciplines. Students who minor in American Studies are well positioned to pursue successful careers in government, education, business, history, journalism, English, and the fine arts.

AME 220	American Studies in Theory and Practice	3
ENG 327	Masterpieces of American Literature	3
HTY 103	American History I	3
HTY 104	American History II	3
POS 215	American National Government	3
	American Studies electives at or above 200-level	9

*American Studies electives should focus on the American experience and derive from art, music, theater, English, communication, history, political science, sociology, anthropology, and/or psychology.*

*Note: At least 12 of the 24 credits must be outside a student's major.*

## Cultural Anthropology Minor 22 cr

The Cultural Anthropology minor offers students experience in ethnographic description and cultural analysis, which will enhance their competitiveness for professional/graduate school or for careers that include a social or cultural dimension. The minor is relevant for careers in international business, foreign policy, community outreach, tourism, museums, cross- or multi-cultural education and many others.

ANT 101	Cultural Anthropology	3
CMY 101	Intro to Community Studies	3
ANT 212	Environmental Anthropology	3
ANT 330	Sociocultural Models	3
ANT 414	Field Project*	1
	<i>Select three of the following:</i>	9

ANT 215	<i>Special Topics in Applied Anthropology</i>	
ANT 312	<i>Material Culture</i>	
ANT 313	<i>Political Ecology</i>	
ANT 315	<i>Special Topics in Applied Anthropology</i>	
CMY 110	<i>Downeast Documentary</i>	
CMY 220	<i>Soliya: Cross-Cultural Communication</i>	
GIS 230	<i>Geographic Information Systems I</i>	

\* *This project will be conducted in conjunction with any 300-level course in the minor. The field project and any necessary IRB clearances must be approved before the start of the semester in which the course is taken.*

## Art Minor 24 cr

This program is intended to serve as a foundation for additional study in art and as a complement to related liberal arts or education majors.

	<i>Select one:</i>	3
ART 101	<i>2-D Fundamentals of Art</i>	
ART 102	<i>Art Fundamentals: 3-D</i>	
ART 201	Art History I	3
ART 202	Art History II	3
ART 210	Drawing I	3
	<i>Select 12 credits in art electives</i>	12

## Biology Minor 32 cr

BIO 117	This is Life!	4
BIO 118	Animal Life	2
BIO 119	Plant Life	2
	<i>Select one:</i>	4
BIO 334	<i>Cell Biology</i>	
BIO 353	<i>Genetics</i>	
BIO 221	General Microbiology	4
BIO 245	General Ecology	4
	BIO elective at or above 200 level	4
CHY 101	General Chemistry I	4
CHY 102	General Chemistry II	4

## Business Administration Minor 18 cr

The Business Administration minor is designed for students not majoring in Business Administration who are encouraged to complement and enhance their

future employment and/or success in an MBA program. Select 18 credits from at least 3 of the areas below. At least 12 credits must be at or above the 200 level.

ACC	Accounting courses
BUS	Business courses
MAN	Management courses
MAR	Marketing courses

**Chemistry Minor 22-25 cr**

CHY 101	General Chemistry I	4
CHY 102	General Chemistry II	4
CHY 221	Organic Chemistry I	4
CHY 222	Organic Chemistry II	4

Select 6 to 9 credits from: 6-9

CHY 226	Undergraduate Research/Chemistry*
CHY 234	Environmental Chemistry
CHY 311	Analytical Chemistry
CHY 322	Biochemistry
CHY 323	Biochemistry II
CHY 326	Undergraduate Research/Chemistry*

\*minimum of 2 credits

**Coaching Minor 18 cr**

Intended for non-recreation majors only. Additional courses may be added to this list as they are developed. Students should consult with their academic advisor.

Select from:

EDU 112	School and Community
PSY 212	Lifespan I
PSY 223	Sport Psychology
PSY 324	Lifespan II
REM 202	Recreational Sports Methods
REM 205	Recreation Safety and First Aid
REM 226	Recreation Program Planning
REM 213	Principles of Coaching
REM 224	Intro to Athletic Training
REM 323	Strength & Conditioning

**Counseling Minor 24 cr**

Students completing this minor are eligible for State of Maine MHRT/Community provisional certification. Students apply directly to the State of Maine for certification.

PHI 201	Ethics	3
PSY 110	Introduction to Psychology	3

PSY 211	Intro to Behavioral & Community Mental Health Systems	3
PSY 213	Psychosocial Rehabilitation Practices	3
PSY 230	Abnormal Psychology	3
PSY 313	Counseling Diverse Populations	3
PSY 332	Crisis Identification & Resolution	3
SSC 302	Introduction to Counseling	3

**Creative Writing Minor 18 cr**

ENG 207	Studies in Composition and Grammar	3
ENG 210	Beginning Creative Writing	3
ENG 471	Advanced Creative Writing Workshop	3
	Writing electives	9

At least 6 credits of the writing electives must be in creative writing courses. Student may also choose to apply 3 credits in independent study toward this minor, or take another appropriate course as approved by the English faculty.

**Economics Minor 18 cr**

ECO 201	Macroeconomics	3
ECO 202	Microeconomics	3
HTY 307	American Economic History	3
	Select two of the following:	6

ECO 112	Community Economics
ECO 204	Capitalism & Entrepreneurship
ECO 223	Environmental Economics
	(or any course focusing on community economic development)

Select one of the following: 3

IND 301	Independent Study
POS 313	Intro to Policy Analysis

**English Minor 24 cr**

ENG 117	Intro to Literary & Cultural Studies	3
ENG 224	Masterpieces of World Literature	3
ENG 207	Studies in Composition and Grammar	3
ENG 325	Masterpieces of British Literature	3
ENG 327	Masterpieces of American Literature	3
	Additional literature course at or above 200 level	3
	Additional literature course at or above 300 level	3
	Select one:	3

ENG 231	Techniques of Poetry
ENG 232	Techniques of Fiction
ENG 233	Techniques of Creative Nonfiction

**Environmental Recreation Minor 28 cr**

Intended for non-recreation majors only. Select one from: 4

BIO 245	General Ecology	
ENV 101	Environmental Science	
ENV 112	Environmental Issues	3

REM 121	Outdoor Recreation I	3
REM 327	Recreational Behavior & Environment	3
REM 412	Park Interpretation	3
<i>Select six credits from:</i>		6

GIS 204	Intro to Global Positioning Systems
REM 123	River Canoeing
REM 125	Sailing & Basic Seamanship
REM 210	Nature-Based Tourism & Sustainable Development
REM 211	Recreational Hunting & Fishing
REM 212	Wilderness First Responder
REM 227	Backcountry Expedition Skills

*Select six credits from:* 6

BIO 212	Ornithology
BIO 216	Mammalogy
BIO 218	Herpetology
BIO 224	General Entomology
BIO 313	Ichthyology
ENV 103	Oceanography
ENV 105	Trees & Wildflowers of Maine
MTR 101	Meteorology

**Environmental Science Minor 28-29 cr**

BIO 355	Conservation Biology	4
CHY 234	Environmental Chemistry	4
ENV 101	Environmental Science	4
GIS 230	GIS Applications I	4
<i>Select at least five credits from:</i>		5

*BIO 333 Plant Ecology*  
*GIS 330 GIS Applications II*  
*Any ENV course at the 300 level or above, excluding ENV 114-414 Issues & Actions*

*Select one from:* 3-4

ENV 103	Oceanography
ENV 111	Natural Resource Ecology
MTR 101	Meteorology
GEY 111	Physical Geology

*Select one taxonomy-based course from:* 4

BIO 212	Ornithology
BIO 216	Mammalogy
BIO 218	Herpetology
BIO 221	Microbiology
BIO 224	General Entomology
BIO 227	Invertebrate Zoology
BIO 229	Plant Taxonomy
BIO 313	Ichthyology

**Environmental Studies Minor 21 cr**

*Intended for non-Environmental Studies majors only.*

ENV 112	Environmental Issues	3
ENV 1-414	Environmental Studies: Issues & Actions	2
<i>Select one of the following:</i>		4

BIO 245	General Ecology
ENV 101	Environmental Science

*Select four courses from the following:* 12

ANT 212	Environmental Anthropology
ANT 313	Political Ecology
ECO 223	Environmental Economics
ENV 213	Environmental Ethics
HTY 321	World Environmental History
POS 305	Environmental Policy

**Geographic Information Systems Applications Minor 18-19 cr**

GEO 101	Intro to Geography	3
GIS 230	GIS Applications I	4
GIS 330	GIS Applications II	4
GIS 204	Global Positioning Systems (GPS)	1-2

*Select additional six or more credits of GIS elective courses at the 300-level or above* 6

**History Minor 24 cr**

HTY 115	World History to 1500	3
HTY 116	World History since 1500	3
	American History elective	3
	European History elective	3
	World History elective	3
	Additional history electives	9

**Leisure Studies Minor 18 cr**

*Intended for non-recreation majors only. Additional courses may be added to this list as they are developed. Students should consult with their academic advisor.*

*Select from:*

REM 110	Intro to Environmental Tourism & Recreation Management
REM 115	History and Philosophy of Recreation
REM 201	Leisure Activities
REM 202	Recreational Sports Methods
REM 205	Recreation Safety & First Aid
REM 219	Introduction to Tourism
REM 226	Recreation Program Planning
REM 311	Recreation Services for Special Populations

*Select one from:*

REM 213	Principles of Coaching
REM 230	Outdoor Leadership

**Marine Biology Minor 24 cr**

BIO 117	This is Life!	4
BIO 118	Animal Life	2
BIO 119	Plant Life	2
BIO 206	Intro to Marine Biology	4
ENV 103	Oceanography	4

Select eight credits from: 8

- BIO 223 Marine Mammals & Pelagic Birds
- BIO 227 Invertebrate Zoology
- BIO 313 Ichthyology

Select one from:

- BIO 332 Intro to Mariculture OR
- BIO 310 Special Topics in Mariculture

Select one from:

- MAT 215 Applied Statistics OR
- GIS 230 GIS Applications I

**Mathematics Minor 24 cr**

- MAT 110 Finite Math 3
- MAT 126 Calculus I 4
- MAT 127 Calculus II 4

Select at least 13 credits of math at or above the MAT 200 level 13

**Music Minor 24 cr**

The music minor provides a solid background of lifelong musical fulfillment for both the budding musician and the lover of music.

- MUS 115 Intro to Music: Listening 3
- MUS 119 Fundamentals of Music: Literacy 3

Select one: 3

- MUS 312 Music History I
- MUS 313 Music History II

Select 9 credits in academic music electives at or above the 200 level 9

Select 6 hours from the following courses, with at least one course from each of the following categories: 6

Performing Groups

- MUS 1/301 UMM Chorale
- MUS 1-407 Applied Music: Performing Groups

Private Lessons

- MUS 103 Applied Music: Private Lessons
- MUS 1/209 Applied Music: Guitar

**Outdoor Recreation Minor 18 cr**

Intended for non-recreation majors only. Additional courses may be added to this list as they are developed. Students should consult with their academic advisor.

Select from:

- REM 115 History and Philosophy of Recreation
- REM 121 Outdoor Recreation I

- REM 123 Advanced River Canoeing and Camping (St. John)
- REM 125 Sailing and Basic Seamanship
- REM 205 Recreation Safety and First Aid
- REM 210 Nature-Based Tourism & Sustainable Development
- REM 211 Recreational Hunting & Fishing
- REM 212 Wilderness First Responder
- REM 227 Backcountry Expedition Skills
- REM 230 Outdoor Leadership
- REM 411 Recreation & Wilderness Resources

**Professional Writing Minor 18 cr**

- ENG 207 Studies in Composition and Grammar 3
- ENG 208 Technical Writing in the Information Age 3
- ENG 236 Professional Editing 3

Two writing electives selected from 6

ENG 371 Intermediate Creative Writing Workshop

WRI 414 Grant and Proposal Writing or other writing courses as approved by the English faculty. Students may also choose to apply 3 credits in independent study or creative writing toward this minor.

WRI 4xx Writing Internship 3  
This course might include writing-related work for a business or non-profit agency, tutorial assistance in the Writing Center, or writing instruction assistance in the classroom. The student's internship work will be evaluated by a member of the English faculty in consultation with the student's direct supervisor.

**Psychology Minor 19 cr**

- PSY 110 Intro to Psychology 3

Select one: 3

- PSY 212 Lifespan I
- PSY 324 Lifespan II

- PSY 311 Social Psychology 3
- PSY 420 Learning and Memory 3
- PSY 442 Physiological Psychology 3
- SSC 420 Research Methods & Design 4

Note: Students are required to take BIO 110, BIO 111 or BIO 117, and MAT 113 Intro to Statistics as prerequisites for certain courses above. These courses should be taken as part of a student's University Core requirement selections.

**Public Administration Minor 18 cr**

The Public Administration minor is designed for students who might wish to pursue graduate work in public administration and/or work in the public sector. It is an excellent career-oriented complement to a business administration or liberal arts major.

ACC 328	Fund Accounting	3
MAN 301	Management	3
POS 215	American National Government	3
WRI 414	Grant and Proposal Writing	3
<i>Select 6 credits from the following:</i>		6
ACC 201	Financial Accounting	
BUS 221	Business Law I	
ECO 202	Microeconomics	
POS 216	State & Local Government	

**Secondary Education Minor 36 cr**

In conjunction with their BA programs in English, interdisciplinary fine arts (visual arts concentration), Psychology & Community Studies and the sciences, students who successfully complete Secondary Education minors may apply for teaching certification, grades 7-12. It is important that students take initiative early in their college careers to form an informal advising relationship with one of the education faculty. Courses must be planned carefully to meet requirements for both major program and secondary education certification.

Students preparing for secondary teaching certification must successfully complete the following professional courses, including student teaching:

EDU 112	School & Community	3
<i>Select one of the following:</i>		3
EDU 309	Educational Psychology	
EDU 339	Working w/Culturally Diverse Students	
SED 201	Dimensions of Exceptionality	3
EDU 216	Curriculum Design Evaluation & Assessment	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 490	Student Teaching	12

Prior to applying to student teach, students should meet the following requirements by October if they plan on student teaching the following Spring. They should meet them by March if they plan on student teaching the following Fall.

- minimum overall GPA of 2.50
- minimum GPA in major of 2.50
- minimum GPA of 2.50 in EDU 112, EDU 210 and EDU 352
- successfully complete Praxis Core Academic Skills for Educators & Praxis II exams
- criminal history background check

Further information can be found under Baccalaureate Programs in the section titled "Teacher Preparation Programs."

**Substance Abuse Services Minor 27 cr**

PSY 230	Abnormal Psychology	3
PSY 310	Family Challenges & Resilience	3
PSY 327	Chemical Dependency	3
PSY 332	Crisis Identification & Resolution	3
PSY 351	Chemical Dependency & Dual Diagnosis Counseling	3
PSY 442	Physiological Psychology	3
PSY 302	Intro to Counseling Techniques	3
<i>Select two of the following:</i>		6
PSY 326	Vocational Aspects of Disability	
PSY 328	Case Management	
PSY 329	Trauma & Recovery	

**Sustainability Management Minor 24 cr**

<i>Select one of the following:</i>		3
ENV 112	Environmental Issues	
ELA 1xx	Intro to Sustainability	
BUS 326	Sustainable Business	3
ECO 223	Environmental Economics	3
ENV 201	Topics: Energy in Society	3
POS 305	Environmental Policy	3
<i>Select one of the following:</i>		3
PSY 311	Social Psychology	
PSY 316	Industrial/Organizational Psychology	
<i>Select one of the following:</i>		3
REM 225	Leadership & Group Dynamics	
BUS 332	Leadership	
MAN 301	Management	
MAN 302	Small Business Management & Entrepreneurship	
<i>Select one of the following:</i>		3
BIO 245	General Ecology	
BUS 325	Business Ethics & Social Responsibility	
ENV 213	Environmental Ethics & Values	
HTY 321	World Environmental History	
MAN 318	Human Behavior in Organizations	
PSY 317	Environmental Psychology	

