



Secondary Education Major or Minor
Bachelor of Science
2010-2011

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 their field of Art, English, Mathematics, Life or Physical Science with a minor in Secondary Education or they may choose to major in Secondary Education with a minor in all of the above fields, including History.

Professional Requirements	40 cr
EDU 112 School & Community	3
EDU 210 Educational Psychology	3
EDU 213 Teaching, Learning & Technology	3
EDU 352 Curriculum Design Evaluation & Assessment	3
SED 310 Dimensions of Exceptionality	3
EDU 321 Secondary Methods in Teaching I	3
EDU 327 Secondary Methods in Teaching II	3
EDU 337 Internship/Classroom Management I	2
EDU 338 Internship/Classroom Management II	2
EDU 490 Student Teaching	15

Students must select one of the concentrations below:

Art Concentration	33 cr
ART 101 2-D Fundamentals of Art	3
ART 102 Art Fundamentals 3-D	3
ART 201 Art History I	3
ART 202 Art History II	3
ART 210 Drawing I	3
ART 211 Painting I	3
ART 214 Special Topics in Art	3
ART 216 Book Arts I	3
ART 218 Printmaking	3
PHI 212 Aesthetics	3

<i>Select one:</i>	3
ART 212 Handbuilt Ceramics	
ART 219 Photography	
ART 220 Sculpture	
ART 310 Drawing II	
English Concentration	36 cr
ENG 101 Composition	3
ENG 117 Intro to Literary & Cultural Studies	3
SPE 104 Public Speaking	3
ENG 210 Beginning Creative Writing	3
ENG 207 Studies in Composition & Grammar	3
<i>Select one:</i>	3
ENG 231 <i>Techniques of Poetry</i>	
ENG 232 <i>Techniques of Fiction</i>	
ENG 233 <i>Techniques of Creative Non-Fiction</i>	
ENG 325 Masterpieces of British Literature	3
ENG 327 Masterpieces of American Literature	3
ENG 224 Masterpieces of World Literature	3
ENG 212 Topics in Literature	3
ENG 315 Studies in Drama: Shakespeare	3
<i>Select one:</i>	3
ENG 451 Chaucer	
ENG 459 Major Literary Figures	
Life Sciences Concentration	39-40 cr
BIO 111 General Zoology	4
BIO 112 General Botany	4
<i>Select one:</i>	4-5
BIO 210 Human Anatomy & Physiology	
BIO 222 Cell Biology	
BIO 323 Comparative Vertebrate Anatomy & Physiology	
BIO 245 General Ecology	4
BIO 265 Genetics	4
BIO 340 Evolution	3
<i>Select one:</i>	4
BIO 212 Ornithology	
BIO 216 Mammalogy	
BIO 218 Herpetology	
BIO 227 Invertebrate Zoology	
BIO 229 Plant Taxonomy	
BIO 313 Ichthyology	
CHY 101 General Chemistry I	4
CHY 102 General Chemistry II	4
MAT 215 Applied Statistics	4

Mathematics Concentration	38 cr
MAT 107 Structure of Arithmetic I	3
MAT 108 Structure of Arithmetic II	3
MAT 110 Finite Mathematics	3
MAT 118 History of Mathematics	3
MAT 122 Precalculus	4
MAT 126 Calculus I	4
MAT 127 Calculus II	4
MAT 200 College Geometry	3
MAT 200 Linear Algebra	3
MAT 215 Applied Statistics	4
MAT 315 Experimental Design & Analysis for Biologists	4
 Physical Science Concentration	 46-47 cr
CHY 101 General Chemistry I	4
CHY 102 General Chemistry II	4
CHY 221 Organic Chemistry I	4
CHY 234 Environmental Chemistry	4
ENV 103 Oceanography	3
GEY 111 Physical Geology	4
<i>Select 3-4 credits of any earth science (GEY) course</i>	<i>3-4</i>
MAT 122 Precalculus	4
MAT 126 Calculus I	4
MTR 101 Meteorology	4
PHY 111 Physics I	4
PHY 112 Physics II	4
 Social Studies Concentration	 36 cr
<i>Select one:</i>	<i>3</i>
ECO 201 Macroeconomics	
ECO 202 Microeconomics	
GEO 101 Introduction to Geography	3
HTY 115 World History I	3
HTY 116 World History II	3
<i>Select one:</i>	<i>3</i>
HTY 103 American History I	
HTY 221 History of Canada	
HTY 104 American History II	3
HTY 223 Intro to Historical Studies	3
<i>Select one:</i>	<i>3</i>
HTY 318 The Age of Imperialism	
HTY 320 Topics in World History	
HTY 324 World War I & 20 th Century	
HTY 333 Women in the 20 th Century	
HTY 360 History of World Religion	
HTY 371 US Foreign Policy & the World	

<i>Select one:</i>	3
HTY 225	History of Early Modern Europe
HTY 226	History of Modern Europe
HTY 311	Medieval Europe
HTY 331	History of Women in Early Modern Europe
<i>Select one:</i>	3
POS 215	American National Government
POS 216	State & Local Government
PSY 110	Intro to Psychology
<i>Select one:</i>	3
SOC 114	Introduction to Sociology
SOC 208	Sociology of the Family
SOC 220	Deviant Behavior
SOC 310	Childhood & Society

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 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. International Students 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 and 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 **46 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
EDU 210	Educational Psychology	3
EDU 213	Teaching, Learning and Technology	3
SED 310	Dimensions of Exceptionality	3
EDU 220	Elementary Social Studies Methods	3
EDU 332	Science Education Methods	3
EDU 334	Integrated Reading and Language Arts Methods (K-4)	3
EDU 337	Internship I w/Classroom Mgt	2
EDU 338	Internship II w/Classroom Mgt	2
EDU 344	Mathematics in Elementary School	3
EDU 349	Integrated Reading and Language Arts Methods (5-8)	3
EDU 490	Student Teaching	15

Secondary (7-12) Certification **40 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
EDU 210	Educational Psychology	3
EDU 213	Teaching, Learning and Technology	3
EDU 321	Secondary Methods in Teaching I	3
EDU 327	Secondary Methods in Teaching II	3
EDU 337	Internship w/Classroom Mgt I	2
EDU 338	Internship w/Classroom Mgt II	2
EDU 352	Curriculum Design Evaluation & Assessment	3
SED 310	Dimensions of Exceptionality	3
EDU 490	Student Teaching	15

Special Education Certification **42 cr**

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

SED 310	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

Select one course from:

3

SED 355 Transitional Issues/Students w/
Disabilities

SED 362 Typical/Atypical Expressive/
Receptive Language

SED 365 Instructional Methods (UMFK)

SED 380 Students w/Autism Spectrum
Disorder

SED 490 Student Teaching

15 cr