

Minor & Certificate Programs

Minor Programs

Students majoring in one program may wish to develop expertise in another area as well. This may be done by completing a minor in a second discipline. Minor programs available at UMPI are listed below.

ACCOUNTING MINOR

Bus 150 Introduction to Financial Accounting	3
Bus 220 Managerial Accounting	3
Bus 361 Intermediate Accounting I	3
Bus 362 Intermediate Accounting II	3
Select TWO courses from the following list:	6
Bus 350 Business Law I	
Bus 352 Business Law II	
Bus 376 Independent Auditing	
Bus 377 Federal Taxation I	
Bus 378 Federal Taxation II	
Bus 464 Advanced Accounting	

TOTAL 18

ART MINOR

Art 103 Drawing I	3
Art 120 Design Foundations I	3
Art 121 Design Foundations II	3
Art 203 Drawing II	3
Art 211 Art History I	3
Art 212 Art History II	3
Art Electives: Select TWO additional Art courses for a total of 6 credit hours	6

TOTAL 24

BIOLOGY MINOR

Bio 112 General Biology I	4
Bio 113 General Biology II	4
Bio 350 Genetics	4
Select TWO additional Bio or Ecy courses (200 or higher)	

TOTAL 19-20

BUSINESS ADMINISTRATION MINOR*

Bus 101 Introduction to Business	3
Bus 150 Introduction to Financial Accounting	3
Bus 125 Introduction to Business Computing OR	
Bus 200 Intermediate Business Computing	3
Eco 207 Macro and Micro Economics	3
Pcj 215 Business Communication	3
Pcj 315 Professional Communication or	
Mat 140 Mathematics for Business	3

TOTAL 18

* Business Administration majors with a concentration in Management will not be allowed to select this minor.

CHEMISTRY MINOR

Chy 111 General Chemistry I and	
Chy 112 Intermediate Chemistry or	
Chy 122 General Chemistry II	8
Chy 221 Organic Chemistry I	4
Chy 222 Organic Chemistry II	4
Select ONE of the following courses:	4
Upper level (300 or 400) Chy elective	
Bio 327 Biochemistry	
Env 305 Environmental Chemistry	

TOTAL 20

CRIMINAL JUSTICE MINOR

Crj 100 Introduction to Criminal Justice	3
Crj 130 Phil. & Ethics of Social Control	3
Crj 225 Criminal Justice Ethics	3
Crj 230 Res. Methods in Criminal Justice	3
Crj 250 Criminal Law	3
Soc 230 Criminology	3
Electives: Choose 6 elective credits in any upper level CRJ courses	6

TOTAL 21

CYBERSECURITY

Cos 101 Introduction to Computer Science	3
Cos 110 Programming Fundamentals	3
Cos 210 Introduction to Information Security	3
Cos 232 Introduction to Cyber Forensics	3
Select TWO courses from the following	
Cos 290 Special Topics	3
Cos 340 Computer Security	3
Cos 410 Cyber Security I	3
Cos 440 Network Security	3
Cos 485 Cybersecurity Capstone	3

TOTAL 18

EARLY CHILDHOOD EDUCATION MINOR

Ece 220/	Education of Young Children with	
Chf 450	Special Needs (course offered at NMCC/UMaine)	3
Edu 341	Infant Toddler Development	3
Edu 311	Assessments for the Young Child	3
Edu 378	Creativity in the Classroom: Arts-integrated Curriculum	3
Psy 205	Lifespan Development	3

Select TWO of the following courses:

Ece 101	Healthy Learning Environ. for Young Children (course offered at NMCC)	
Ece 105	Advanced Intellectual & Social	

	Development in the Young Child (course offered at NMCC)	
Edu 354	Early Childhood Literacy	
Edu 367	Numeracy for the Young Child	
Edu 372	Social Studies for the Young Child	
TOTAL		21

EDUCATIONAL STUDIES MINOR

Edu 152	Introduction to Education	3
Edu 153	Foundations of Education	3
Edu 210	Introduction to Pedagogy	3
Edu/Sed 222	Guiding Positive Behavior	3
Edu 387	Teaching Students with Exceptional Needs in the Inclusive Classroom	3

Select THREE of the following courses:

Edu 261	Educational Tech. in the Classroom	
Edu 354	Early Childhood Literacy	
Edu 357	Children's Literature	
Edu 367	Numeracy for the Young Child	
Edu 378	Creativity in the Classroom	

TOTAL 24

ENERGY DEVELOPMENT & POLICY MINOR

Environmental Science, Energy, & Climate Change - choose FOUR of the following:

Env 110	Intro. to Environmental Science (Recommended as a prerequisite for those with a limited science background)	3
Env 125	Energy	3
Env 130	Renewable Energy Resources	3
Env 201	Fossil Fuels	3
Env 301	Climate Change	3
Env 302	Biodiversity & Climate Change	3
Env 308	Fundamentals of GIS	4

Energy Policy & Development (both courses required):

Pos 310	Energy Law & Policy	3
Pos 320	Energy Project Development	3

TOTAL 18-19

* Students enrolled in the Energy Development & Policy certificate may not also earn the Energy Development & Policy minor.

ENGLISH MINOR

Eng 211	Introduction to Creative Writing OR	
Pcj 180	Introduction to Professional Communication and Journalism	3

Select TWO of the following courses:

Eng 240	Medieval and Early Modern Literatures and Cultures	
Eng 241	Enlightenment and the Rise of Anglo-	

Minor & Certificate Programs

continued

	American Literatures and Cultures	
Eng 242	Modern and Contemporary Anglo-American Literatures and Cultures	
Eng 259	Contemporary World Literature	
	English Electives (300-400 level)	9
TOTAL		18

ENVIRONMENTAL STUDIES MINOR

Env 110	Intro. to Environmental Science	3
Env 308	GIS I	4

Select ONE course from the following:

Env, Gey, Bio, Phy or Chy		3-4
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Select TWO courses from the following:

Ant 100	Introduction to Anthropology	3
Hty 350	U.S. Environmental History	3
Pos 310	Energy Law & Policy	3
Pos 320	Energy Project Development	3

Select ONE course from the following:

Env 408	GIS II	4
Sci 480	Research Methods in Science	3
Env 397 or 497	Independent Study	3

TOTAL **19-20**

FILM STUDIES MINOR

Art 116	Introduction to Film	3
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Set 1: Select THREE of the following courses: 9

Art 316	Contemporary Film	
Art 416	Great Film Directors Series	
Eng 372	Literature and Film	
Eng 376	Native American Narratives	

Set 2: Select THREE of the following: 9

Art 251	Photography	
Art 235	Video Production	
Eng 314	Screenwriting Workshop	
Art/Eng 416	Great Film Director Series	
Art 411	Aesthetics	

TOTAL **21**

GEOLOGY MINOR

Gey 112	Fundamentals of Geology	4
Gey 114	Historical Geology-History of Life OR	
Gey 115	Historical Geology & Plate Tectonics	3

Choose from the following electives (minimum of 11 credits):

Gey 212	Marine Geology	3
Gey 213	Environmental Geology	3
Gey 322	Paleontology	4
Gey 353	Surficial Geology	4
Gey 354	Bedrock Geology	4

TOTAL **18-19**

GRAPHIC DESIGN MINOR

Art 103	Drawing I	3
Art 120	Design Foundations I	3
Art 121	Design Foundations II	3
Art 108	Introduction to Graphic Design	3
Art 231	Computer Art	3
Art 255	Typography	3
Art 308	Graphic Design	3

TOTAL **21**

HEALTH & WELLNESS

Bio 300	Human Nutrition	3
Exs 225	Strength Training Techniques and Conditioning	3
Exs 246	Introduction to Assessment	4
Exs 340	Prevention and Emergent Care in Sports	3
Exs 343	Corrective Exercise	4
Exs 388	Practicum Exercise Science	3

TOTAL **20**

HISTORY MINOR

Minimum of 12 upper level credits in History (300-level and above)

TOTAL **18**

HUMAN SERVICES MINOR

Swk 200	Introduction to Social Work & Social Welfare	3
Swk 202	Ethics in the Helping Profession	3
Swk 285	Human Behavior in the Social Environment I	3
Swk 309	Case Management Practice	3
Swk 396A	Junior Field I	3

Select TWO of the following courses: 6

Swk 300	Social Welfare Policy & Issues	
Swk 307	Incest & Sexual Abuse	
Swk 325	Gerontology	
Swk/Edu 350	Children and Grief	
Swk 381	Crisis Intervention	
Swk 425	Special Topics in Social Work	

TOTAL **21**

HUMANITIES MINOR

Courses in at least three Humanities areas with a minimum of nine upper level credits in two areas. Areas include Art, English, Foreign Language, or Philosophy.

TOTAL **21**

INTERNATIONAL STUDIES MINOR*

Foreign Lang.	- 6 hours above core for a total of	9
Pos 301	European Governments and the European Union	3

Select THREE of the following courses:

Hty 318	Modern European History	3
Hty/Pos 370	Topics in Non-Western History	3
Hty/Pos 371	Int'l Relations & Modern Conflicts	3
Hty 375	History of Maine	3
Hty/Pos 377	Modern China	3
Hty 439	The U.S. since 1933	3
Hty 489	Special Topics in History	3

TOTAL **21**

*Consult with advisor

MANAGEMENT MINOR*

Bus 141	Introduction to Project Management w/Microsoft Projects	3
Bus 260	Leadership	3
Bus 321	Human Resource Management	3
Bus 415	Operations Management	3
Pcj 215	Business Communication	3

Select ONE of the following courses: 3

Bus 240	Change Management	
Bus 350	Business Law I	
Bus 352	Business Law II	
Bus 353	Legal and Ethical Issues in Business	

TOTAL **18**

*Business Administration majors with a concentration in Management & Leadership will not be allowed to select this minor.

MANAGEMENT INFORMATION SYSTEMS MINOR

Bus 200	Intermediate Business Computing*	3
Bus 244	Management Information Systems	3
Bus 245	Programming for Managers	3
Bus 345	Database Management	3

Select TWO of the following courses: 6

Bus 141	Introduction to Project Management w/Microsoft Projects	
Bus 359	IT Project Management	
Bus 405	MIS Special Topics	
Bus 440	Business Analytics	
Env 308	GIS I**	
Env 408	GIS II**	

*Students lacking significant experience with Microsoft Office should take Bus 125 before taking Bus 200.

**The GIS courses are 4 credit courses

TOTAL **18**

MATHEMATICS MINOR

Mat 131	Calculus I	4
Mat 132	Calculus II	4
Mat 251	Foundations of Mathematics	3
Mat 274	Linear Algebra	3
Mathematics Electives (200 and above)		6
TOTAL		20

PHILOSOPHY MINOR

Complete the following courses (total of 21 credit hours)

Phi 150	Introduction to Logic	3
Phi 151	Introduction to Philosophy	3
Phi 152	Introduction to Ethics	3

Select at least 12 credit hours from the following:

Ant 110	World Religions	3
Phi 300	Topics in Philosophy	3
Phi/Eng 374	Topics in Philosophy & Literature	3
Phi/Eng 388	Literary Theory & Critical Practice	3
Phi/Pos 301	Feminist Theory	3
Phi/Pos 343	Marxism	3
Pos 211	Introduction to Political Thought	3
Swk 202	Ethics in the Helping Professions	3
TOTAL		21

PHYSICAL EDUCATION MINOR

Activity Elective		2
Exs 381	Biomechanics	3
Exs 382	Physiology of Exercise	3
Phe 267	Teaching Elem. Physical Education	3
Phe 302	Teaching Sec. Physical Education	3

Select TWO of the following courses:

Exs 274	Structural Kinesiology	3
Phe 265	Motor Learning	3
Phe 480	Measurement & Evaluation of Physical Education	3
Phe 485	Organization & Administration of Physical Education	3
TOTAL		20

PHYSICAL SCIENCE MINOR

Chy 111	General Chemistry I	4
Chy 122	General Chemistry II	4
Chy 221	Organic Chemistry I OR	4
Gey 112	Fundamentals of Geology	4
Phy 153	General Physics I	4
Phy 154	General Physics II	4
TOTAL		20

POLITICAL SCIENCE MINOR

Minimum of 12 upper level credits (300 level and above)		
TOTAL		18

PRE-LAW STUDIES MINOR

Crij 100	Introduction to Criminal Justice	3
Crij 250	Criminal Law	3
Pcj 215	Business Communication	3
Phi 151	Introduction to Philosophy	3
Pos 101	American Government	3
Pos 332	Constitutional Law	3

Select ONE of the following courses:

Bus 350	Business Law I	3
Crij 350	Criminal Procedure	3
TOTAL		21

PROFESSIONAL COMMUNICATION MINOR

Pcj 180	Introduction to Professional Communication & Journalism	3
Pcj 215	Business Communication	3
Pcj 315	Professional Communication	3
Pcj 394	Professional Portfolio	1

Select THREE of the following courses:

Art 231	Computer Art I	3
Art 235	Video Production	3
Pcj 216	Editing	3
Pcj 316	Advanced Professional Communication	3
Pcj 318	Evolving Media	3
Pcj 319	Marketing Communication	3
TOTAL		19

PROJECT MANAGEMENT MINOR

Bus 141	Introduction to Project Management w/Microsoft Projects	3
Bus 240	Change Management	3
Bus 343	Project Risk & Cost Management	3
Bus 400	Project Management Applications	3

Select TWO of the following courses:

Bus 359	IT Project Management	3
Bus 401	Adv. Project Management Applications	3
Bus 415	Operations Management	3
Bus 440	Business Analytics	3
Bus 469	Strategic Professional Communication	3
TOTAL		18

PSYCHOLOGY MINOR

Psy 100	General Psychology	3
Psy 205	Lifespan Development	3
Psy/Soc 311	Research Methods I	3

Select ONE of the following:

Mat 101	Basic Statistics OR	3
Mat 201	Probability & Statistics	3

Select THREE of the following:

Mat 201	Probability & Statistics I	3
Mat 202	Probability & Statistics II	3
Psy/Soc 200	Social Psychology	3
Psy 235	Abnormal Psychology	3
Psy 312	Research Methods II	3
Psy 355	Group Process	3
Psy 370	Personality	3
Psy 380	Principles of Counseling	3
Psy 374	Vocational Aspects of Disability	3
Psy 382	Substance Abuse Counseling	3
Psy 350	Special Topics	3
Psy 404	Psychology of Learning	3
Psy 446	Psychobiology	3
Psy 448	Cognitive Psychology	3
Psy 475	History & Systems of Psychology	3
Psy 480	Advanced Research	3
Psy 496	Practicum	3
TOTAL		21

RECREATION/LEISURE MINOR

Rec 122	Leadership Training in Recreation	3
Rec 232	Program Development & Planning	3
Rec 234	Outdoor Pursuits I	3
Rec 235	Outdoor Pursuits II	3
Rec Electives		6
TOTAL		18

SOCIAL STUDIES MINOR

24 credits in Anthropology, Economics, Geography, History, Sociology, Political Science, Psychology with a minimum of 15 upper level credits

TOTAL		24
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SOCIOLOGY MINOR

Soc 100	Introduction to Sociology	3
Soc/Psy 200	Social Psychology	3
Crij 230	Res. Methods in Criminal Justice OR	3
Soc/Psy 311	Research Methods I	3

Electives: Choose 9 elective credits from any upper level SOC courses

TOTAL		21
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SUSTAINABLE AGRICULTURE MINOR

Env 200 Principles of Sustainable Agriculture	3
Env 210 Soil Science <i>OR</i>	4
Env 220 Integrated Pest Management	3
Agr 310 Plant & Crop Science <i>OR</i>	4
Bio 240 Animal Science*	4
<i>Select THREE of the following for 9-10 credits:</i>	
Bus 101 Introduction to Business	3
Bus 150 Intro. to Financial Accounting	3
Bus 200 Intermediate Business Computing	3
Bus 341 Entrepreneurship	3
Eco 207 Macro & Micro Economics	3
Env 308 GIS I: Fundamentals of GIS	4

TOTAL **19-21**

*both carry a Bio 112 prerequisite

WABANAKI STUDIES MINOR

Ant 100 Introduction to Anthropology	3
Ant/Hty 471 Prehistory of Northeastern North America	3
Eng 376 Native American Narratives	3
Wab 100 Introduction to Micmac Language	3
Wab 105 Introduction to Maliseet Language	3
Wab 110 Wabanaki Worldviews	3

TOTAL **18**

WOMEN'S STUDIES MINOR

Phi/Pos 303 Feminist Theory	3
Wst 101 Introduction to Women's Studies	3
<i>Select a minimum of 15 credit hours from among the following courses*#:</i>	
Art 315 Women in Art	15
Eng 300 Major Authors	
Psy 375 Sex & Gender	
Soc/Crj 358 Domestic Violence	
Soc/Crj 378 Women & Crime	
Swk 305 Ethnicity & Multiculturalism	

*Up to nine credit hours in coursework not designated above may be applied in this category as approved by the student's advisor.

#A maximum of nine upper division transfer credits may be applied to this category as approved by the student's advisor.

TOTAL **21**

WRITING MINOR

<i>Required:</i>	
Eng 211 Introduction to Creative Writing <i>OR</i>	
Pcj 180 Introduction to Professional Communication & Journalism	3
<i>Select at least 18 credit hours from among the following courses:</i>	
Eng 311 Poetry Workshop*	3
Eng 312 Fiction Writing Workshop*	3
Eng 313 Creative Nonfiction Workshop*	3
Eng 314 Screenwriting Workshop*	3
Pcj 315 Professional Communication	3
Pcj 316 Advanced Professional Comm.	3

*course may be taken twice for credit

TOTAL **21**

Certificate Programs

Students who complete the requirements outlined below will receive a certificate and have the certificate noted on their UMPI transcript. Students in UMPI degree programs may earn certificates, as may students who are not enrolled in a degree program. Students in UMPI degree programs should declare their intention to complete a Certificate Program by completing a Request for Change of Major/Advisor form available through the Advising Office. Students not enrolled in degree programs at UMPI may enroll in a Certificate Program by contacting the Registrar's Office.

DRUG POLICY AND INTERVENTION CERTIFICATE PROGRAM

CRJ 100 Introduction to Criminal Justice	3
CRJ 215 Drug Policy	3
PSY 100 General Psychology	3
PSY 341 Drugs and Behavior	3
PSY 382 Substance Abuse Counselling	3
SWK 200 Introduction to Social Work and Social Welfare	3
SWK 236 Psychosocial Rehabilitation	3
SWK 381 Crisis Intervention	3

TOTAL **24**

ENERGY DEVELOPMENT & POLICY CERTIFICATE PROGRAM

<i>Environmental Science, Energy & Climate Change - choose FOUR of the following:</i>	
Env 125 Energy	3
Env 130 Renewable Energy Resources	3
Env 201 Fossil Fuels	3
Env 301 Climate Change	3
Env 302 Biodiversity & Climate Change	3
Env 308 Fundamentals of GIS	4
<i>Energy Policy & Development (both courses required):</i>	
Pos 310 Energy Law & Policy	3
Pos 320 Energy Project Development	3

TOTAL **18-19**

*Students enrolled in the Energy Development & Policy certificate may not also earn the Energy Development & Policy minor.

GIS (GEOGRAPHIC INFORMATION SYSTEMS) CERTIFICATE PROGRAM

Required Courses (11 credits):

Bus 345	Database Management	3
Env 308	GIS I - Fundamentals of GIS	4
Env 408	GIS II - GIS Applications & Advanced Spatial Analysis	4

Electives (select at least TWO courses for a minimum total of 6 credits):

Cos 105	Computer Programming	3
Bus 200	Intermediate Business Computing	3
Bus 244	Management Information Systems 3	
Bus 245	Programming for Managers	3
Bus 405	MIS Special Topics	3

TOTAL **17**

MENTAL HEALTH REHABILITATION TECHNICIAN/COMMUNITY CERTIFICATION (MHRT/C)

The State of Maine mandates special training for employment in certain public welfare positions. Individuals planning to provide community support services in positions funded by the Department of Health and Human Services and MaineCare (formerly Medicaid) must meet specific knowledge competencies. To meet these competencies and be issued full Mental Health Rehabilitation Technician/Community (MHRT/C) certification, such persons must complete ten (10) course areas through a combination of approved courses, workshops, or waivers. Graduates of an accredited Bachelor of Social Work program meet the requirements for Full MHRT/C certification upon completion of their degree and by completing Psy 374 (Vocational Aspects of Disability).

A provisional MHRT/C certificate may be issued when five (5) specific course requirements are met through academic courses, non-academic courses, approved workshops and/or training, or waivers based on experience. These are Introduction to Community Mental Health, Psychosocial Rehabilitation, Crisis Identification and Resolution, Cultural Competency/Diversity, and Interviewing and Counseling. The remaining five courses must be completed within two years of the date the provisional certificate was issued.

Individuals wishing to receive MHRT/C certification must apply through the Office of Adult Mental Health Services at the Department of Health and Human Services. The application as well as the guidelines for this process may be found at: http://muskie.usm.maine.edu/cfl/MHRT/community_guidelines.htm

The following classes at UMPI fulfill requirements for the educational competencies that are required:

COMPETENCY	UMPI EQUIVALENT	
* Interviewing & Counseling	Psy 380	Principles of Counseling
Mental Health & Aging	Soc/Swk 325	Gerontology
* Intro. to Community Mental Health	Swk 207	Comm. Mental Health Care
* Psychosocial Rehabilitation	Swk 236	Psycho - Social Rehabilitation
* Crisis Identification & Resolution	Swk 381	Crisis Intervention
* Cultural Competency/Diversity	Swk 305	Ethnicity and Multiculturalism
Substance Abuse w/a Dual Diagnosis	Psy 382	Substance Abuse Counseling
Case Management	Swk 309	Case Management Practice
Sexual Abuse, Trauma & Recovery	Swk 307	Incest and Sexual Abuse
Vocational Aspects of Disability	Psy 374	Vocational Aspects of Disability

*Provisional Level B Certification is granted when these five course requirements have been met through academic courses, non-academic courses, approved workshops and/or training, or waivers based on experience.

PROJECT MANAGEMENT CERTIFICATE PROGRAM

Bus 141	Introduction to Project Management w/Microsoft Projects	3
Bus 240	Change Management	3
Bus 343	Project Risk & Cost Management	3
Bus 469	Strategic Professional Communication	3
Select TWO of the following courses:		6
Bus 359	IT Project Management	
Bus 400	Project Management Applications	
Bus 401	Adv. Project Management Applications	
Bus 415	Operations Management	
Bus 440	Business Analytics	

TOTAL **18**

WOMEN'S STUDIES CERTIFICATE PROGRAM

Phi 301	Feminist Theory	3
Wst 101	Introduction to Women's Studies	3
Select a minimum of 15 credit hours from among the following courses* #:		15
Art 315	Women in Art	
Eng 300	Major Authors	
Psy 375	Sex & Gender	
Soc/Crj 358	Domestic Violence	
Soc/Crj 378	Women & Crime	
Swk 305	Ethnicity & Multiculturalism	

*Up to nine credit hours in coursework not designated above may be applied in this category as approved by the student's advisor.

#A maximum of nine upper division transfer credits may be applied to this category as approved by the student's advisor.

TOTAL **21**