

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

EARLY CHILDHOOD EDUCATION MINOR

| | |
|---|---|
| Ece 220/ Chf 450 Education of Young Children with 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 200 The Learner & the Learning Process | 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: | 6 |
| Eng 240 Medieval and Early Modern Literatures and Cultures | |
| Eng 241 Enlightenment and the Rise of Anglo-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 |
|---------------------------|-----|

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 |
|---------|----------------------|---|

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**

FRENCH MINOR

Minimum of 12 intermediate or upper level French courses (200 level and above)

Maximum of 6 credit hours can be counted from an approved summer immersion program

TOTAL **18**

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

Minor & Certificate Programs

continued

| | | |
|---------|---|--|
| 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 |
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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 | |
| Phe 265 | Motor Learning | |
| Phe 480 | Measurement & Evaluation of Physical Education | |
| Phe 485 | Organization & Administration of Physical Education | |

| | | |
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| TOTAL | | 20 |
|--------------|--|-----------|

PHYSICAL SCIENCE MINOR

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

| | | |
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| TOTAL | | 20 |
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POLITICAL SCIENCE MINOR

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

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|--------------|--|-----------|
| TOTAL | | 18 |
|--------------|--|-----------|

PRE-LAW STUDIES MINOR

| | | |
|--------------------------------------|----------------------------------|---|
| Crj 100 | Introduction to Criminal Justice | 3 |
| Crj 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: | | 3 |
| Bus 350 | Business Law I | |
| Crj 350 | Criminal Procedure | |

| | | |
|--------------|--|-----------|
| 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: | | 9 |

Select THREE of the following courses:

| | | |
|---------|-------------------------------------|--|
| Art 231 | Computer Art I | |
| Art 235 | Video Production | |
| Pcj 216 | Editing | |
| Pcj 316 | Advanced Professional Communication | |
| Pcj 318 | Evolving Media | |
| Pcj 319 | Marketing Communication | |

| | | |
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| 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: | | 6 |

Select TWO of the following courses:

| | | |
|---------|--------------------------------------|--|
| Bus 359 | IT Project Management | |
| Bus 401 | Adv. Project Management Applications | |

| | | |
|---------|--------------------------------------|--|
| Bus 415 | Operations Management | |
| Bus 440 | Business Analytics | |
| Bus 469 | Strategic Professional Communication | |

| | | |
|--------------|--|-----------|
| 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 |
|--------------|--|-----------|

SOCIOLOGY MINOR

| | | |
|-------------|---------------------------|---|
| Soc 100 | Introduction to Sociology | 3 |
| Soc/Psy 200 | Social Psychology | 3 |

continued on next page

Minor & Certificate Programs

continued

| | | | |
|-------------------|--|-----------|-----------|
| Cri 230 | Res. Methods in Criminal Justice | <u>OR</u> | |
| Soc/Psy 311 | Research Methods I | | 3 |
| <i>Electives:</i> | Choose 9 elective credits from any upper level SOC courses | | 9 |
| TOTAL | | | 21 |

SUSTAINABLE AGRICULTURE MINOR

| | | | |
|--|---------------------------------------|-----------|--------------|
| Env 200 | Principles of Sustainable Agriculture | | 3 |
| Env 210 | Soil Science | <u>OR</u> | 4 |
| Env 220 | Integrated Pest Management | | 3 |
| Agr 310 | Plant & Crop Science | <u>OR</u> | 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 | | |
| Eng 300 | Major Authors | | |
| Psy 375 | Sex & Gender | | |
| Soc/Cri 358 | Domestic Violence | | |
| Soc/Cri 378 | Women & Crime | | |
| Swk 305 | Ethnicity & Multiculturalism | | |
| | | | 15 |

*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

Required:

| | | | |
|---------|---|-----------|---|
| Eng 211 | Introduction to Creative Writing | <u>OR</u> | |
| Pcj 180 | Introduction to Professional Communication & Journalism | | 3 |

Select at least 18 credit hours from among the following courses:

| | | | |
|---------|-------------------------------|--|---|
| 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.

Minor & Certificate Programs

continued

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:

| | | |
|---------|--------------------------------------|---|
| Bus 359 | IT Project Management | 6 |
| 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**