

Michigan Technological University

Interdisciplinary Minor in Ecology

Program Code: IMEC, Academic Year 2019-20

Department of Biological Sciences and College of Forest Resources and Environmental Science

Total Credits Required: 18

Required Courses: select one course from Group A and Group B

Group A

Course	Credits
BL 1040 Principles of Biology (4)	
BL 1010 General Biology (4)	
BL 2160 Botany (4)	
BL 2170 Zoology (4)	

Group B

Course	Credits
BL 3400 Principles of Ecology (4) <i>Prereqs: (BL1010 or BL1040)</i>	
FW 3020 Forest Ecology (3) <i>Prereqs: (FW2010 and FW2051)</i>	

Elective Courses: must select at least 10 credits

Course	Credits
BL 3010 General Entomology (4) <i>Prereqs: (BL1010 or BL1040)</i>	
BL 3190 Evolution (3) <i>Prereqs: (BL1020 or BL1040)</i>	
BL 3400 Principles of Ecology* (4) <i>Prereqs: (BL1010 or BL1040)</i>	
BL 4090 Tropical Island Biology (2) <i>Prereqs: None</i>	
BL 4034 Ecology/Evolution of Community (3) <i>Prereqs: (BL3400 and BL3190)</i>	
BL 4036 Plant-Species Interactions (3) <i>Prereqs: (BL3400 or BL3190)</i>	
BL 4447 Stream Ecology & Fish Biology (4) <i>Prereqs: (BL1010 or BL1040 or BL3400)</i>	
BL 4450 Limnology (3) <i>Prereqs: (CH1122 or (CH1160 and CH1161))</i>	
BL 4461 Ecosystems Ecology (3) <i>Prereqs: (CH1122 or (CH1160 and CH1161))</i>	
FW 3020 Forest Ecology* (3) <i>Prereqs: Junior or Senior</i>	
FW 3330 Soil Science (4) <i>Prereqs: (CH1112(c) or (CH11510(c) and CH1151(c))</i>	
FW 3540 Introduction to GIS for Natural Resource Management (4) <i>Prereqs: (MA3710(c) or MA2720(c) or MA2710(c))</i>	
FW 4220 Wetlands (4) <i>Prereqs: None</i>	
FW 4240 Mammalogy (4) <i>Prereqs: (BL1020 or BL1040)</i>	
FW 4260 Population Ecology (3) <i>Prereqs: None</i>	
FW 4300 Introduction to Wildland Fire (3) <i>Prereqs: (FW3020 and (FW3010 or FW3012))</i>	
FW 4370 Forest and Landscape Hydrology (3) <i>Prereqs: None</i>	
FW 4380 Landscape Ecology (3) <i>Prereqs: None</i>	
FW 4610 Wildlife Ecology (3) <i>Prereqs: (BL3400(c) or FW3020(c))</i>	
FW 4620 Herpetology (3) <i>Prereqs: (BL1010 or BL1040)</i>	

* These courses may not be double counted as one of the required courses

Remaining Electives: choose from the previous elective course list, or from the following

Course	Credits
FW 2010 Vegetation of North America (4) <i>Prereqs: None</i>	
FW 3610 Ornithology (4) <i>Prereqs: (BL1020 or BL1040)</i>	
FW 3620 Field Ornithology (1) <i>Prereqs: None</i>	
FW 4500 Independent Study (1-3) <i>Prereqs: None</i>	

Recommended Cognate Courses that are not part of the minor: CH1150 and CH1153, CH1151, CH1160 and CH1161.