

Michigan Technological University**Interdisciplinary Minor in Ecology**

Program Code IMPS, Academic Year 2021-22

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

Total Credits Required: 18

Required Course: Select one course from Group A and Group B**Group A**

Course	Credits
BL 1100 General Biology I <i>and</i> BL 1110 General Biology I Lab <i>Prereqs: none</i>	4
BL 1400 Principles of Biology <i>and</i> BL 1410 Principles of Biology Lab <i>Prereqs: none</i>	4
BL 2160 Botany <i>Prereqs: none</i>	4
BL 2170 Zoology <i>Prereqs: none</i>	4

Group B

Course	Credits
BL 3490 Ecology and Evolution <i>Prereqs: (BL1100 and BL1110) or (BL1400 and BL1410)</i>	4
FW 3020 Forest Ecology <i>Prereqs: FW2010 and FW2051</i>	

Elective Courses: Must select at least 10 credits not already taken

Course	Credits
BL 3490 Principles of Ecology & Evolution <i>Prereqs: (BL1100 and BL1110) or (BL1400 and BL1410)</i>	4
BL 4090 Tropical Island Biology <i>Prereqs: None</i>	2
BL 4034 Ecology/Evolution of Community <i>Prereqs: (BL3400 or BL3490 and BL3190)</i>	3
BL 4036 Plant-Species Interactions (3) <i>Prereqs: (BL3400 or BL3490 or BL3190)</i>	3
BL 4447 Stream Ecology & Fish Biology <i>Prereqs: (BL1100 and BL1110) or (BL1400 and BL1410) or BL3400 or BL3490</i>	4
BL 4450 Limnology <i>Prereqs: CH1122 or (CH1160 and CH1161)</i>	3
BL 4461 Ecosystems Ecology <i>Prereqs: CH1122 or (CH1160 and CH1161)</i>	3
FW 3020 Forest Ecology <i>Prereqs: Junior or Senior</i>	3
FW 3330 Soil Science <i>Prereqs: (CH1112(c) or (CH11510(c) and CH1151(c)</i>	4
FW 3540 Introduction to GIS for Natural Resource Management <i>Prereqs: (MA3710(c) or MA2720(c) or MA2710(c))</i>	4
FW 4220 Wetlands <i>Prereqs: None</i>	4
FW 4240 Mammalogy <i>Prereqs: (BL1(BL1200 and BL1210) or (BL1400 and BL1410)</i>	4
FW 4260 Population Ecology <i>Prereqs: None</i>	3
FW 4300 Introduction to Wildland Fire <i>Prereqs: FW3020 and (FW3010 or FW3012)</i>	3
FW 4370 Forest and Landscape Hydrology <i>Prereqs: None</i>	3
FW 4380 Landscape Ecology <i>Prereqs: None</i>	3
FW 4610 Wildlife Ecology <i>Prereqs: BL3400(c) or FW3020(c)</i>	3
FW 4620 Herpetology <i>Prereqs: (BL1100 and BL1110) or (BL1400 and BL1410)</i>	3

Remaining Electives: Choose from the previous elective course list or from the following:

Course	Credits
FW 2010 Vegetation of North America <i>Prereqs: None</i>	4
FW 3610 Ornithology <i>Prereqs: (BL1200 and BL1210) or (BL1400 and BL1410)</i>	4
FW 3620 Field Ornithology <i>Prereqs: None</i>	1
FW 4500 Independent Study <i>Prereqs: None</i>	1 to 3

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