Michigan Technological University
Interdisciplinary Minor in Ecology
Program Code IMEC, Academic Year 2024-25
Department of Biological Sciences, and College of Forest Resources and Environmental Science
Total Credits Required: 18

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

Group A
- BL 1100 General Biology I (3) and BL 1110 General Biology I Lab (1) Prereqs: none
- BL 1400 Principles of Biology (3) and BL 1410 Principles of Biology Lab (1) Prereqs: none
- BL 2160 Botany (4) Prereqs: none
- BL 2170 Zoology (4) Prereqs: none

Group B
- BL 3490 Principles of Ecology and Evolution (4) Prereqs: BL1010 or BL1040 or (BL1100 and BL1110) or (BL1400 and BL1410)
- FW 3020 Forest Ecology (3) Coreq: FW2051

Elective Courses: Must select at least 10 credits not already taken
- BL 3490 Principles of Ecology & Evolution (4) Prereqs: (BL(BL1100 and BL1110) or (BL1400 and BL1410)
- BL 4034 Advanced Evolutionary Ecology (3) Prereqs: BL3490
- BL 4036 Plant-Species Interactions (3) Prereqs: (BL3400 or BL3490 or BL3190)
- BL 4070 Environmental Toxicology (3) Prereqs: (BL1020 or (BL1200 and BL1210) or BL1040 or (BL1400 and BL1410) and CH1150 and CH1160
- BL 4090 Tropical Island Biology (2) Prereqs: None
- BL 4400 Microbial Ecology (3) Prereqs: BL3210 or BL3310 or BL3490
- BL 4421 Lake Superior Exploration (3) Prereqs: None
- BL 4447 Stream Ecology (3) Prereqs: (BL1100 and BL1110) or (BL1400 and BL1410) or BL3400 or BL3490
- BL 4450 Limnology (3) Prereqs: (CH1122 or (CH1160 and CH1161))
- BL 4461 Ecosystems Ecology (3) Prereqs: BL 3490
- BL 4465 Biological Oceanography (3) Prereqs: BL1010 or (BL1100 and BL1110) or BL1040 or (BL1400 and BL1410) or BL3080
- FW 3020 Forest Ecology (3) Coreq: FW2051
- FW 3330 Soil Science (4) Prereqs: (CH1112(c) or (CH1150(c) and CH1151(c))
- FW 3540 Introduction to GIS for Natural Resource Management (4) Prereqs: (MA3710(c) or MA2720(c) or MA2710(c))
- FW 4220 Wetlands (4) Prereqs: None
- FW 4260 Population Ecology (3) Prereqs: BL 1100 or BL 1400 or BL 2160 or BL 3080
- FW 4300 Introduction to Wildland Fire (3) Prereqs: (FW3020 and (FW3010 or FW3012))
- FW 4370 Forest and Landscape Hydrology (3) Prereqs: None
- FW 4380 Landscape Ecology (3) Prereqs: MA2720 or CEE3502
- FW 4610 Wildlife Ecology (3) Prereqs: (BL3490(c)or FW3020(c))

Remaining Elective: Choose from the previous elective course list or from the following:
- BL 4440 Fish Biology (4) Prereqs: (BL1200 and BL1210) or (BL1400 and BL1410)
- FW 2010 Vegetation of North America (4) Prereqs: None
- FW 3610 Ornithology (4) Prereqs: (BL1200 and BL1210) or (BL1400 and BL1410)
- FW 3620 Field Ornithology (1) Prereqs: None
- FW 4240 Mammalogy (4) Prereqs: (BL1200 and BL1210) or (BL1400 and BL1410)
- FW 4620 Herpetology (3) Prereqs: (BL1100 and BL1110) or (BL1400 and BL1410)

Recommended cognate courses that are not part of the minor include CH1150, CH1151, CH1160 and CH1161.