

## Michigan Technological University Bachelor of Science Degree Audit

### Major Program: Ecology and Evolutionary Biology

Program Code: SEEB, Academic Year 2025-2026

Minimum credits required for the degree: 120

#### Biology Requirements: 24 to 25 credits

- BL 1100 (3) and BL 1110 (1)
- BL 1200 (3) and BL 1210 (1)
- BL 1580 (1)
- BL 2003 (1)
- BL 2160 (4)  
or BL 2170 (4)  
or BL 3310 (3)  
or BL 4440 (4)
- BL 2200 (3) and BL 2210 (1)
- BL 3003 (1)
- BL 3490 (4)
- BL 3782 (2)

#### Chemistry Requirements: 8 credits

- CH 1150 (3) and CH 1151 (1)
- CH 1160 (3) and CH 1161 (1)

#### Mathematics Requirements: 7 credits

- MA 1135 (4)
- MA 3715 (3)

#### Select one of the following STEM: 3 to 4 credits

- CH 2410 (3) and CH 2411 (1)
- CS 1121 (3)
- MA 2160 (4)
- PH 1110 (3) and PH 1111 (1)

#### Social Ecology Requirement: 3 credits

Choose one course.

- BL 2001 (3)
- SS 2300 (3)
- SS 3315 (3)
- SS 3520 (3)
- SS/FW 3760 (3)
- SS 4313 (3)
- SS 4390 (3)
- SS 4400 (3)

#### Biology Capstone: 6 credits

- BL 4600 (1)

#### Experiential Learning: Choose 5 credits

- BL 3999 (1-9)
- BL 4000 (1-9)
- BL 4036 (3)
- BL 4090 (2)
- BL 4421 (3)
- BL 4447 (3)
- BL 4999 (1-9)

#### Major Electives: 26 to 29 credits

Choose at least 26 credits not already taken.

BL2160, BL2170, BL3012, BL3020, BL3310, BL3999, BL4000, BL4034, BL4036, BL4070, BL4090, BL4140, BL4145, BL4400, BL4421, BL4440, BL4447, BL4450, BL4452, BL4461, BL4465, BL4999, FW3020, FW3410, FW3610, FW4220, FW4240, FW4620, FW4710, GE2000

## Essential Education requirements

- Students must complete three main components of Essential Education (First-Year Experience, Distribution or Minor Pathway, and Activities for Well-being and Success) with the credit distributions as shown below. A minimum of 37 credits is required to complete these requirements.
- Up to five Essential Education requirements and the Michigan Tech Seminar may be shared (double-counted) with major requirements. Work with your advisor to determine which major requirements may satisfy Essential Education requirements.
- Some courses are on more than one list, but each course can satisfy only one Essential Education requirement.
- Students may choose between an Essential Education minor or the Distribution Pathway. The list of Essential Education minors can be found [here](#).
- Lists of courses for each requirement can be found on the [Essential Education](#) page.

## First-Year Experience (16 credits)

- Michigan Tech Seminar (1)
- Math (3)
- Natural and Physical Science (3)
- STEM (3)
- Composition (3)
- Foundations of the Human World (3)

## Distribution Pathway (18 credits)

- Communication Intensive (3)
- Intercultural Competency (3)
- Arts and Culture (3)
- STEM (3)
- SHAPE (3)
- Essential Education Experience (3)

## Activities for Well-being and Success (3 credits)

### Free Electives

- Any coursework is allowable, excluding coursework below the 1000-level.
- The number of free elective credits required is dependent on how many additional credits are required beyond Major requirements and Essential Education requirements to reach the total credits required for the degree as indicated on the audit.

## Additional Graduation Requirements

- Satisfy the 2.0 departmental and cumulative Grade Point Average
- Earn 30 upper-level credits at Michigan Tech
- [Apply for Graduation](#)