

## B.S. Ecology and Evolutionary Biology (SEEB) Degree

*This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.*

### First Year

#### Fall

| Course   | Prerequisite | Credit    |
|--|--------------|-----------|
| UN 1015 Composition                                |              | 3         |
| MA 1135 Calculus for Life Sciences                 | Yes          | 4         |
| BL 1100 Gen Bio I                                  |              | 3         |
| BL 1110 Gen Bio I Lab                              | Co-Req       | 1         |
| CH 1150 University Chemistry I                     | Yes          | 3         |
| CH 1151 University Chemistry I lab                 | Yes          | 1         |
| Essential Education: Michigan Tech Seminar BL 1580 |              | 1         |
| <b>Total</b>                                       |              | <b>16</b> |

#### Spring

| Course   | Prerequisite | Credit    |
|--|--------------|-----------|
| Essential Education: Foundations of the Human World        |              | 3         |
| Essential Education: Activities for Well-being and Success |              | 1         |
| Essential Education: Arts and Culture                      |              | 3         |
| BL 1200 Gen Bio II   |              | 3         |
| BL 1210 Gen Bio II Lab                                     | Co-Req       | 1         |
| CH 1160 University Chemistry II                            | Yes          | 3         |
| CH 1161 University Chemistry II Lab                        | Yes          | 1         |
| <b>Total</b>   |              | <b>15</b> |

### Second Year

#### Fall

| Course                                      | Prerequisite | Credit    |
|---|--------------|-----------|
| BL 2003 Field Experience                    | Yes          | 1         |
| BL 3490 Principles of Ecology and evolution | Yes          | 4         |
| *Organismal Biology Elective                | Yes          | 4         |
| **Related Science and Math elective         | Yes          | 3-4       |
| Essential Education: Comm and Comp          |              | 3         |
|   |              |           |
| <b>Total</b>                                |              | <b>16</b> |

#### Spring

| Course   | Prerequisite | Credit    |
|--|--------------|-----------|
| Essential Education: Intercultural Competency              |              | 3         |
| BL 3003 Data Interpretation and Critical Analysis          | Yes          | 1         |
| *Organismal Biology Elective                               |              | 3-4       |
| Essential Education: Activities for Well-being and Success |              | 1         |
| BL 2200 Genetics   | Yes          | 3         |
| BL 2210 Genetics Lab                                       | Yes          | 1         |
| MA 3715 Biostatistics                                      | Yes          | 3         |
| <b>Total</b>   |              | <b>16</b> |

\*Choose 2 options from Botany, Zoology , Environmental Microbiology (Spring only) and Fish Biology (Fall only)

\*\*Choose from Organic Chem, Intro to programming, Physics or Calculus II.

### Third Year

#### Fall

| Course   | Prerequisite | Credit    |
|--|--------------|-----------|
| Social Ecology Elective                                    |              | 3         |
| Major Elective   |              | 4         |
| Major Elective   |              | 3         |
| Free elective  |              | 3         |
| Essential Education: Activities for Well-being and Success |              | 1         |
| Essential Education: SHAPE                                 |              | 3         |
| <b>Total</b>   |              | <b>14</b> |

#### Spring

| Course                          | Prerequisite | Credit    |
|---------------------------------|--------------|-----------|
| Essential Education: Experience |              | 3         |
| Major Elective                  |              | 3         |
| Major Elective                  |              | 3         |
| Free Elective                   |              | 3         |
| Free Elective                   |              | 3         |
| <b>Total</b>                    |              | <b>15</b> |

### Fourth Year

#### Fall

| Course                    | Prerequisite | Credit    |
|---------------------------|--------------|-----------|
| Major Elective            |              | 3         |
| Major Elective            |              | 3         |
| Free Elective             |              | 3         |
| BL 3782 Writing Practicum |              | 2         |
| Free Elective             |              | 3         |
| <b>Total</b>              |              | <b>14</b> |

#### Spring

| Course                   | Prerequisite | Credit    |
|--------------------------|--------------|-----------|
| BL 4600 Prof             | Yes          | 1         |
| BL Exp Learning Capstone |              | 5         |
| Major elective           |              | 4         |
| Major Elective           |              | 4         |
|                          |              |           |
| <b>Total</b>             |              | <b>14</b> |

**Grand Total = 120 Credits**