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| Name: Click or tap here to enter text.  University of Wisconsin Milwaukee  Major in Biological Sciences Ecology, Evolution, Behavior (EEB) Option | BioSci Faculty Advisor: Dr.  UWM ID: Click or tap here to enter text. |

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| **Requirements** |
| * 34 BioSci credits (150, 152 are the only 100-level course that count toward the major) |
| * 4 lab courses total (including 150, 152, plus 310 and at least one elective course with laboratory components) |
| * Approved capstone course |
| * At least 26 credits in BioSci courses number 300 or greater |
| * At least 2.0 GPA in BioSci courses for major |
| * At least 3.75 GPA in BioSci courses for honors in the major |

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| **FALL**   1. *Example: BioSci150 - 4 cr* 2. Click or tap here to enter text. 3. Click or tap here to enter text. 4. Click or tap here to enter text. 5. Click or tap here to enter text.   BioSci Total Credit  BioSci >300 level | **SPRING**   1. Click or tap here to enter text. 2. Click or tap here to enter text. 3. Click or tap here to enter text. 4. Click or tap here to enter text. 5. Click or tap here to enter text.   BioSci Total Credit  BioSci >300 level |

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| **FOUNDATIONS:** Required for all majors. Take sequentially. | | |
| BioSci 150 | BioSci 152 | BioSci 325 |

**SOPHMORE YEAR**

**FIRST YEAR**

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| **EEB GATEWAY COURSES:** Required courses for EEB option. | | | |
| BioSci 310 (Can take after BioSci 152)  BioSci 465 | | | |
| **LAB COURSES:** BioSci 150, 152, 310 required lab courses. See elective lab options on Page 2. | | | |
| BioSci 150 | BioSci 310 |
| BioSci 152 | BioSci | |
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**CAPSTONE REQUIREMENT:** See capstone options on page 2.  BioSci

**JUNIOR YEAR**

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| **CHEMISTRY COURSES:** Required for all majors. | |
| Chem 102  Chem 104 |
| An Organic Chem series may be preferred for some graduate programs – talk to your advisor! |

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| **MATH REQUIREMENTS:** Take at least one semester of Calculus (Math 211, 213, 221, 231). The L&S Statistics requirement will be fulfilled by BioSci 465, which is required for the EEB option. | |
| Math | BioSci 465 |

**SENIOR YEAR**

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| **PHYSICAL SCIENCES REQUIREMENTS:**  Choose at least one of the following options. | |
| Geog 120  GeoSci 100  GeoSci 102  GeoSci 108  GeoSci 150+151 | Physics 120+121  Physics 122+123  Physics 209+214  Physics 210+215  Physics 219  Physics 220 |

**GENERAL EDUCATION REQUIREMENTS**

See L&S advisor each semester for additional L&S/University requirements for the degree pathway

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| **FALL**   1. Click or tap here to enter text. 2. Click or tap here to enter text. 3. Click or tap here to enter text. 4. Click or tap here to enter text. 5. Click or tap here to enter text.   BioSci Total Credit  BioSci >300 level | **SPRING**   1. Click or tap here to enter text. 2. Click or tap here to enter text. 3. Click or tap here to enter text. 4. Click or tap here to enter text. 5. Click or tap here to enter text.   BioSci Total Credit  BioSci >300 level |

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| **FALL**   1. Click or tap here to enter text. 2. Click or tap here to enter text. 3. Click or tap here to enter text. 4. Click or tap here to enter text. 5. Click or tap here to enter text.   BioSci Total Credit  BioSci >300 level | **SPRING**   1. Click or tap here to enter text. 2. Click or tap here to enter text. 3. Click or tap here to enter text. 4. Click or tap here to enter text. 5. Click or tap here to enter text.   BioSci Total Credit  BioSci >300 level |

**TOTALS:**

BioSci Total Credit BioSci >300 level

**EEB OPTION WITHIN MAJOR IN BIOLOGICAL SCIENCES - COURSES BY SEMESTER**

**Fall Semester EEB Courses**

**Course (cr) Course Name**

BioSci 150 (4) Foundation of Biological Sci I (**L**)

BioSci 152 (4) Foundation of Biological Sci II (**L**)

BioSci 310 (4) Ecology (**L**)

BioSci 325 (4) Genetics

BioSci 383 (4) General Microbiology (**L**)

BioSci 451 (3) Field Methods in Conservation (**L**)

BioSci 465 (3) Biostatistics

BioSci 480 (3) Ecological Genetics

BioSci 501 (3) Aquatic & Plant Ecophysiology Lab (**L**)

BioSci 502 (3) Intro Programing/Modeling Ecol Evol

BioSci 505 (3) Conservation Biology

BioSci 511 (3) Ichthyology

BioSci 512 (3) Limnology

BioSci 539 (4) Lab Techniques Molec Biol (**L**)

BioSci 542 (3) Biological Electron Microscopy

BioSci 543 (2) Scan Electron Microscopy Lab (**L**)

BioSci 599 (1-3) Special Topics in BioSci

Additional BioSci courses can be counted for major with proper justification and advisor approval.

**Spring Semester Courses**

**CAPSTONE** - Take at least one course or independent study credits:

**Capstone Courses**

BioSci 611 (2) Seminar Limnology & Oceanography

BioSci 670 (1) Senior Seminar in Biological Sciences

CES 471**\*** (4)Pract. In Nat. Resource Manag.

**Capstone Independent Study**

*Up to six credits can count towards the major*

BioSci 695 Ind Study in Freshwater Science

BioSci 699 Ind Study

Honors 686\*\* Research in Honors

Honors 687\*\* Senior Honors Project

Honors 689\*\* Senior Honors Thesis

**CROSS-LISTED COURSES**

*Up to six credits can count towards the major*

Anthro 301 (3) Human Evolution & Variation

CES 471**\*** (4) Pract. In Nat. Resource Manag.

Chem 501 (3) Biochemistry (Org Chem pre-req.)

**Course (cr) Course Name**

BioSci 150 (4) Found. of Biological Sci I (**L)**

BioSci 152 (4) Found. of Biological Sci II (**L)**

BioSci 310 (4) Ecology (**L)**

BioSci 325 (4) Genetics

BioSci 358 (2) Birds of Wisconsin (**L**)

BioSci 383 (4) General Microbiology (**L**)

BioSci 406 (3) Marine Biology

BioSci 440 (3) Ecol/Evolution of Amphib & Reptiles

BioSci 465 (3) Biostatistics

BioSci 469 (2) Genomic Data Analysis

BioSci 500 (3) Plant Physiology

BioSci 523 (3) Ecology & Evolution of Birds

BioSci 532 (3) Behavioral Ecology

BioSci 544 (3) Trans Electron Microscopy Lab (**L**)

BioSci 575 (3) Evolutionary Biology

BioSci 599 (1-3) Special Topics in BioSci

**Summer Semester Courses**

BioSci 150 (4) Found. of Biological Sci I (**L)**

BioSci 152 (4) Found. of Biological Sci II (**L)**

BioSci 325 (4) Genetics

BioSci 562 (1-2) Topics in Field Biology

**Additional Undergraduate Research and Internship Opportunities**

Talk to your advisor about these!

BioSci 290 (1-3) Ind Study and Research

BioSci 296 (1-3) UROP Research Apprenticeship

BioSci 289 (1-6) Internship (Lower)

BioSci 489 (1-6) Internship (Upper)

BioSci 496 (1-3) UROP Research Apprenticeship

Also see Office Undergrad Research uwm.edu/our

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| **Abbreviations**  **(L)** Course will count toward the four-lab requirement  Not all courses taught every semester.  Several courses offered irregularly – check with your advisor!  **\*** Only count for Capstone if CES-BioSci Double Major  **\*\***BioSci departmental approval required for capstone credit |

**Faculty Advisor’s Notes/Comments:** Click or tap here to enter text.