# B.A. in Biology, Biological Education Option
## Teacher Preparation in Biology

### 2016/2017 Catalog

## Required Major/Content Courses (C- or Better)

### Biology/Microbiology Core Courses—All Required

- BIOB 160N/161N—Principles of Living Systems/Lab (4) - autumn, summer
- BIOB 170N/171N—Principles of Biological Diversity/Lab (5) - spring, summer
- BIOB 260—Cell and Molecular Biology (4) - autumn, summer
- BIOB 272—Genetics and Evolution (4) - spring

### Biological Education Major Courses—All Required

- BIOE 370/371—General Ecology/Lab (5) - autumn [or BIOE 342 Field Ecology @ Flathead Lake Biological Station]
- BIOM 360/361—General Microbiology/Lab (5) - autumn
- BIOO 433/434—Plant Physiology/Lab (4) - spring

### Zoology/Organismal—Choose One of the Following

- BiOB 301—Developmental Biology (3) - autumn
- BiOL 435—Compar. Animal Physiology (3) - spring

## Other Required Content Courses (C- or Better)

### Related Fields—All Required

- M 162—Applied Calculus (4) - autumn, spring [or M171—Calculus I]
- STAT 216—Intro to Statistics (4) - autumn, spring, summer
- CHMY 121N—Intro to General Chemistry (3) - autumn, spring, summer
- CHMY 123/124—Intro Organic & Biochemistry/Lab (5) - autumn, spring, summer
- CHMY 485—Laboratory Safety (1) - autumn
- PHSX 205N/206N—College Physics I/II (5) - autumn, spring, summer [or PHSX 215N/216N]
- EDU 497—Methods: 5-12 Science (3) - autumn

### Related Fields—Choose One of the Following Geoscience Courses

- GEO 105N—Oceanography (3) - spring
- GEO 108N—Climate Change (3) - autumn

## Secondary Certification Requirements (C- or Better)

To be certified to teach secondary biology, students must be admitted to the College of Education, and meet all state certification requirements for the biology endorsement. A grade of C- or better must be earned in all content courses (listed above), as well as certification courses (listed below). GPA must be 2.75 overall, in certification courses, and in content courses.

## Requirements for Endorsement

- WRIT 101—College Writing I (3) - autumn, spring, summer
- NASX course (3) - autumn, spring, summer
- HEE 233—Health Issues Child/Adolescent (3) - autumn, spring, summer
- ECP 120/121—Emergency Med. Respond/Lab (3) - autumn, spring, summer
- **BLOCK 1:** EDU 202—Early Field Experience (1) - autumn, spring
- EDU 221—Educational Psych & Measure (3) - autumn, spring, summer
- EDU 345—Except. & Class. Management (3) - autumn
- EDU 370—Integrating Tech. into Education (3) - autumn, spring, summer
- **BLOCK 2:** EDU 407E—Ethics/Policy Issues (3) - autumn, spring, summer
- EDU 481—Content Area Literacy (3) - autumn, spring
- EDU 395—Clinical Experience (Must be taken with EDU 497) (1) - autumn
- EDU 497—Methods: 5-12 Science (3) - autumn
- **STUDENT TEACHING:** EDU 494/495 (15) - autumn, spring

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*Advanced College Writing Requirement Met with BIOE 371 and BIOO 434 (both required)*