# B.S. in Biology, Field Ecology Option
## 2016/2017 Catalog

### Required Major 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

**Ecology—Choose One of the Following**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>BIOE 370/371</td>
<td>General Ecology/Lab (5) - autumn</td>
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<tr>
<td>BIOE 342</td>
<td>Field Ecology (5) - summer @ FLBS</td>
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**Summer at Flathead Lake Biological Station—Choose Aquatic or Terrestrial**

**Aquatic Emphasis**
- BIOE 439—Stream Ecology (3)
- BIOE 440—Conservation Ecology (3)
- BIOE 451—Landscape Ecology (3)
- BIOE 453—Ecology of Small & Large Lakes (3)
- BIOL 492—Seminars in Ecology & Res. Man. (1)

**Terrestrial Emphasis**
- BIOE 416—Alpine Ecology (3)
- BIOE 440—Conservation Ecology (3)
- BIOE 451—Landscape Ecology (3)
- BIOE 458—Ecology of Forests & Grasslands (3)

**Field Ecology Major Courses—Choose 8 Credits of Upper Division Biology; At Least One Course from Each of the Following Categories**

- **Evolution Courses**
  - BIOB 480—Conservation Genetics (3) - intermit. (S17)
  - BIOB 483—Phylogenetics & Evolution (3) - intermit. (S17)
  - BIOB 486—Genomics (3) - autumn
  - BOD 406 (*409)—Behavior & Evolution (3) - autumn
  - *BIOB 320—General Botany (5) - autumn
  - *BIOO 320—General Botany (5) - autumn
  - *BIOO 335—Rocky Mountain Flora (3) - spring
  - *BIOO 340—General Botany (5) - autumn

- **Core Courses**
  - BIOL 427/428—Gen. Parasitology/Lab (4) - autumn, spring
  - BIOL 439—General Ecology/Lab (5) - autumn, spring, summer
  - BIOL 484—Basic Plant Evolution (3) - autumn
  - CHMY 121N—Intro General Chemistry (3)
  - CHMY 123/124—Intro Organic/Biochem (5) (both offered autumn, spring, summer)
  - CHMY 141N—College Chemistry I (5) - autumn, spring
  - CHMY 143N—College Chemistry II (5) - spring, summer
  - CHMY 221/222—Organic Chem I Lab (5) - autumn
  - CHMY 222/224—Organic Chem II Lab (5) - spring
  - STAT 451/457—Stat. Meth. I/Lab (4) - autumn
  - STAT 452/458—Stat. Meth. II/Lab (4) - spring

**Required Courses Outside of the Major (C- or Better)**

**Calculus—Choose One of the Following**
- M162—Applied Calculus (4) - autumn, spring
- M171—Calculus I (4) - autumn, spring

**Statistics—Choose Intro or Advanced Sequence**
- **Intro:** STAT 216—Intro to Stats (4) - aut, spring, sum
- **Advanced:** STAT 451/457—Stat. Meth. I/Lab (4) - autumn
- STAT 452/458—Stat. Meth. II/Lab (4) - spring

**Chemistry—Choose Intro or Advanced Sequence**
- **Intro:** CHMY 121N—Intro General Chemistry (3)
- CHMY 123/124—Intro Organic/Biochem (5) (both offered autumn, spring, summer)
- **Advanced:** CHMY 141N—College Chemistry I (5) - autumn, spring
- CHMY 143N—College Chemistry II (5) - spring, summer
- CHMY 221/222—Organic Chem I Lab (5) - autumn
- CHMY 222/224—Organic Chem II Lab (5) - spring

**Physics—All Required**
- PHSX 205N/206N—College Physics I Lab (5) - autumn, spring, summer
- PHSX 207N/208N—College Physics II Lab (5) - autumn, spring, summer

*Advanced college writing requirement met with BIOE 371 or BIOE 342 (required), and one course marked with *