**B.S. IN BIOLOGY, ECOLOGY & ORGANISMAL BIOLOGY OPTION**

**2016/2017 CATALOG**

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**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—Required**

- BIOE 370/371—General Ecology/Lab (5) - autumn [or BIOE 342 Field Ecology @ Flathead Lake Biological Station]

**Ecology & Organismal Biology Courses—Choose 21 Credits of Upper Division Biology or Biochemistry; At Least One Course from Each of the Following Categories**

**Organismal Courses**

- BIOB 301—Developmental Bio (3) - autumn
- BIOB 375—General Genetics (3) - spring
- BIOB 468—Endocrinology (3) - intermittent

**Ecology Courses**

- BIOM 360/361—Microbiology/Lab (5) - autumn
- BIOM 427/428—Gen. Parasitology/Lab (4) - autumn
- *BIOO 320—General Botany (5) - autumn
- *BIOO 335—Rocky Mountain Flora (3) - spring

**Specialized Ecology Courses**

- *BIOE 428—Freshwater Ecology (5) - spring
- BIOE 447—Terr Ecosystem Ecology (3) - intermittent
- BIOE 448—Terr Plant Ecology (4) - odd autumn
- BIOE 449—Plant Biogeography (3) - intermittent

**Evolution Courses**

- BIOB 480—Conservation Genetics (3) - intermit. (S17)
- *BIOB 483—Phylogenetics & Evolution (3) - intermit. (S17)
- BIOB 486—Genomics (3) - autumn

(Discussion section in [] is optional)

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**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 223/224—Organic Chem II /Lab (5) - spring

**Physics—All Required**

- PHSX 205N/206N—College Physics I /Lab (5) - autumn, spring, summer [or PHSX 215N/216N]
- PHSX 207N/208N—College Physics II /Lab (5) - autumn, spring, summer [or PHSX 217N/218N]

*Advanced College Writing Requirement Met with BIOE 371 (Required), and One Course Marked With *