B.A. in Biology, Field Ecology Option—2015/2016 Catalog

**Required Major Courses (C- or Better)**

**Biology/Microbiology Core Courses—All Required**

- BIOB 160N—Principles of Living Systems (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

**Choose an Ecology Course**

- BIO 342—Field Ecology (5) – Summer @FLBS
- BIOE 370/371—General Ecology/Lab (5) - autumn

**Summer At Flathead Lake Biological Station (Aquatic or Terrestrial Emphasis Required)**

**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)
- BIOL 492—Seminars in Ecology & Res. Man. (1)

**Choose 8 Credits of Upper Division Biology; At Least One from Each Group A & B**

**A.) Ology Courses**

- BIOM 360/361—Microbiology/Lab (5) - autumn
- BIOM 427/428—Gen. Parasitology/Lab (4) - aut
- *BIOO 320—General Botany (5) - autumn
- BIOO 335—Rocky Mountain Flora (3) - spring
- BIOL 340—Biology/Manage. Fishes (4) - autumn
- BIO 462—Entomology (4) - even spring
- *BIOO 470—Ornithology (4) - spring
- *BIOO 475 Mammalogy (4) - autumn

**B.) Evolution Courses; Discussion in (1) Optional**

- BIOE 480—Conservation Genetics (3) - intermit.
- *BIOE 483—Phylogenetics & Evolution (3) - inter.
- BIOE 486—Genomics (3) - autumn
- BIOL 406 (*409)—Behavior & Evolution (3) - autumn
- *BIOE 482—Evolution & Development (3) - intermittent
- *BIOL 484—Plant Evolution (3) - intermittent - A15

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

**Choose a Calculus Course**

- M162—Applied Calculus (4) - autumn, spring
- M171—Calculus I (4) - autumn, spring

**Choose a Statistics Sequence (A or B)**

**A.) STAT 216—Intro to Stats (4) - aut, spring, sum**

**B.) STAT 451/457—Stat. Meth. I /Lab (4) - autumn**
- STAT 452/458—Stat. Meth. II /Lab(4) - spring

**Choose a Chemistry Sequence (A or B)**

**A.) CHMY 121N—Intro to Gen Chem (3)**
- CHMY 123N/124N—Intro Org/Biochem (5) (both offered autumn, spring, summer)

**B.) 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

**All of the Following Physics Courses are Required**

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

*Advanced College Writing Requirement met with BIOE 371 or BIOE 342, and one course marked with *