

B.S. IN BIOLOGY, ECOLOGY & ORGANISMAL BIOLOGY

REQUIRED MAJOR COURSES (C- OR BETTER)

BIOLOGY/MICROBIOLOGY CORE COURSES—ALL REQUIRED

- _____ BIOB 160N/161N—Principles of Living Systems/Lab (3/1) - autumn, summer
- _____ BIOB 170N/171N—Principles of Biological Diversity/Lab (3/2) - spring
- _____ BIOB 260—Cell and Molecular Biology (4) - autumn, summer
- _____ BIOB 272—Genetics and Evolution (4) - spring

ECOLOGY—REQUIRED

- _____ BIOE 370/371—General Ecology/Lab (3/2) - autumn [*or BIOE 342 Field Ecology - summer @ Flathead Lake Biological Station*]

ECOLOGY & ORGANISMAL MAJOR COURSES—CHOOSE 21 CREDITS OF UPPER DIVISION BIOLOGY OR BIOCHEMISTRY; AT LEAST ONE COURSE FROM EACH OF THE FOLLOWING GROUPS

Organismal courses

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| BIOB 301—Developmental Biology (3) - autumn | BIOB 468—Endocrinology (3) - intermittent |
| BIOB 375—General Genetics (3) - spring | BIOE 403—Comp Vertebrate Anatomy (4) - intermittent |
| BIOB 435—Comparative Animal Physiology (3) - spring | BIOO 433/434—Plant Physiology/Lab (3/1) - alternate spring |

Ology courses

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| BIOB 360/361—Microbiology/Lab (3/2) - autumn | BIOO 340—Biology/Management Fishes (4) - autumn |
| BIOB 427/428—Gen. Parasitology/Lab (2/2) - autumn | BIOO 462—Entomology (4) - even spring |
| BIOO 320—General Botany (5) - autumn | BIOO 470—Ornithology (4) - spring |
| BIOO 335—Rocky Mountain Flora (3) - spring | BIOO 475—Mammalogy (4) - autumn |

Specialized Ecology courses

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| BIOE 428—Freshwater Ecology (5) - spring | WILD 470—Conserv. Wildlife Populations (4) - aut, spring |
| BIOE 447—Ecosystem Ecology (3) - spring | FLBS summer courses: BIOE 400—Aquatic Microbial Ecol; |
| BIOE 448—Terr Plant Ecology (4) - intermittent | BIOE 416—Alpine Ecology; BIOE 439 Stream Ecology; |
| BIOB 415—Microbial Diversity, Eco, Evoln (3) - spring | BIOE 440—Conservation Ecol; BIOE 451—Landscape Ecol; |
| BIOB 460—Ecology of Infectious Diseases (3) - intermit | BIOE 453—Lake Ecology; BIOE 458—Forest/Fire Ecology |

Evolution courses

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| BIOB 480—Conservation Genetics (3) - spring | BIOE 406—Behavior & Evoln (3) - odd autumn |
| BIOB 483—Phylogenetics & Evol (3) - even autumn | BIOE 485—Plant Evolution (3) - even autumn |
| BIOB 486—Genomics (3) - spring | BIOB 420—Host-Microbe Interactions (3) - intermittent |

REQUIRED COURSES OUTSIDE OF THE MAJOR (C- OR BETTER)

CALCULUS—CHOOSE ONE OF THE FOLLOWING

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| MI62—Applied Calculus (4) - autumn, spring, summer | MI71—Calculus I (4) - autumn, spring |
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STATISTICS—CHOOSE INTRO OR ADVANCED SEQUENCE

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| <u>INTRO:</u> STAT 216—Intro to Stats (4) - autumn, spring, summer | <u>ADVANCED:</u> STAT 451/457—Stat. Meth. I /Lab (4) - autumn |
| | STAT 452/458—Stat. Meth. II /Lab (4) - spring |

CHEMISTRY—CHOOSE INTRO OR ADVANCED SEQUENCE

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| <u>INTRO:</u> CHMY 121N—Intro General Chemistry (4) | <u>ADVANCED:</u> CHMY 141N/142N—Coll. Chem I/Lab (4/1) - aut, spr |
| CHMY 123/124—Intro Organic/Biochem (4/2) | CHMY 143N/144N—Coll. Chem II/Lab (4/1) - spr, sum |
| (all offered autumn, spring) | CHMY 221/222—Organic Chem I /Lab (3/2) - autumn |
| | CHMY 223/224—Organic Chem II /Lab (3/2) - spring |

PHYSICS—ALL REQUIRED

- _____ PHSX 205N/206N—College Physics I/Lab (4/1) - autumn, spring, summer [*or PHSX 215N/216N*]
- _____ PHSX 207N/208N—College Physics II/ Lab (4/1) - autumn, spring, summer [*or PHSX 217N/218N*]