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

### Biology—All Required
- BIOS 160N/161N—Principles of Living Systems/Lab (3/1) - autumn, summer
- BIOS 170N/171N—Principles of Biological Diversity/Lab (3/2) - spring, summer
- BIOS 260—Cell and Molecular Biology (4) - autumn, summer
- BIOE 272—Genetics and Evolution (4) - spring
- BIOE 370/371—General Ecology/Lab (3/2) - autumn [or substitute BIOE 342 Field Ecology @ Flathead Lake Biological Station]
  *Choose a BIO_ advanced college writing course (BIOO 433/434 is recommended; see DBS Advising Office for list)*

### Chemistry—All Required
- CHMY 141N/142N—College Chemistry I/Lab (4/1) - autumn, spring
- CHMY 143N/144N—College Chemistry II/Lab (4/1) - spring, summer
- CHMY 123—Intro to Organic & Biochemistry (4) - autumn, spring
- CHMY 485—Laboratory Safety (1) - autumn

### 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]

### Earth Sciences—All Required
- ASTR 131N/134N—Elementary Astronomy/Lab (3/1) - autumn
- GEO 101N/102N—Intro to Physical Geology/Lab (3/1) - autumn, spring

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

### Related Fields—All Required
- M 162—Applied Calculus (4) OR M 171—Calculus I (4) - both autumn, spring
- STAT 216—Intro to Statistics (4) - autumn, spring, summer
- EDU 497—Methods: 5-12 Science (3) - autumn

### Secondary Certification Requirements (C- or Better)

To be certified to teach secondary general sciences, students must be admitted to the College of Education, and meet all state certification requirements for the broadfield science 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 330—Promoting Well-Being in the Classroom P-12 (2) - autumn
- **BLOCK 1:**
  - EDU 202—Early Field Experience (1) - autumn, spring, summer
  - EDU 221—Educational Psych & Measure (3) - autumn, spring, summer
  - EDU 345—Except. & Class. Management (3) - autumn, spring
  - EDU 370—Integrating Tech. into Education (3) - autumn, spring
- **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

*Advanced college writing requirement met with BIOE 371 (required) and one more approved BIO_ advanced writing course.