

B.A. IN BIOLOGY, BIOLOGICAL EDUCATION

TEACHER PREPARATION IN BIOLOGY

REQUIRED MAJOR/CONTENT 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

BIOLOGICAL EDUCATION MAJOR COURSES—ALL REQUIRED

- _____ BIOE 370/371—General Ecology/Lab (3/2) - autumn [*BIOE 342 Field Ecology @ Flathead Lake Biological Station*]
- _____ BIOM 360/361—General Microbiology/Lab (3/2) - autumn

BOTANY/ORGANISMAL—CHOOSE ONE OF THE FOLLOWING

- _____ BIOO 320—General Botany (5) - autumn
- _____ BIOO 433/434—Plant Physiology/Lab (3/1) - alternate spring

ZOOLOGY/ORGANISMAL—CHOOSE ONE OF THE FOLLOWING

- _____ BIOB 301—Develop Biol (3) - aut
- _____ BIOB 435—Comp Animal Physiol (3) - spr
- _____ BIOE 403—Vert. Anatomy (4) - inter.

OTHER REQUIRED CONTENT COURSES (C- OR BETTER)

RELATED FIELDS—ALL THE FOLLOWING ARE REQUIRED

- _____ M 162—Applied Calculus (4) **OR** M 171—Calculus I (4) - autumn, spring, summer
- _____ STAT 216—Intro to Statistics (4) - autumn, spring, summer
- _____ CHMY 485—Laboratory Safety (1) - autumn
- _____ PHSX 205N/206N—College Physics I/Lab (5) - autumn, spring, summer [*or PHSX 215N/216N*]
- _____ EDU 497—Methods: 5-12 Science (3) - autumn

CHOOSE A CHEMISTRY SEQUENCE

- Biology only: CHMY 121N—Intro Gen Chemistry (4)
- _____ CHMY 123/124—Intro Organic/Biochem (4/2)
- (all offered autumn, spring)

- Biology + CHMY 141N/142N—Coll. Chem I/Lab (4/1) - aut, spr
- Broadfield: CHMY 143N/144N—Coll. Chem II/Lab (4/1) - sp, sum
- _____ CHMY 123—Intro Organic/Biochem (4) - autumn, spr

CHOOSE ONE OF THE FOLLOWING GEOSCIENCE COURSES

- _____ EARTH 101N—Earth Systems Sciences - autumn, spring
- _____ GEO 105N—Oceanography (3) - spring

SECONDARY CERTIFICATION REQUIREMENTS (C- OR BETTER)

To be certified to teach secondary biology, students must be admitted to the College of Education, and meet all state certification requirements for the biology 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
- _____ EDU 360—Promoting Well-Being in P-12 Classrooms (2) - autumn, spring
- _____ **BLOCK 1:** EDU 202—Early Field Experience (1) - autumn, spring
- _____ EDU 221—Educational Psych & Measure (3) - autumn, spring
- _____ 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 only**
- _____ EDU 497—Methods: 5-12 Science (3) - **autumn only**
- _____ **STUDENT TEACHING:** EDU 494/495 (15) - autumn, spring