Biology Major, B.S. in Ed. Degree (41-487)

This guide is valid for the 2012 Undergraduate Catalog only and is subject to change. This guide is a recommendation only and your actual program may vary. The time it takes to complete a degree and the sequence in which courses are taken will depend on any credits transferred to UCM and on placement in math, reading, and writing. See the current Undergraduate Catalog (www.ucmo.edu/academics/catalogs) for a complete listing of academic policies, curriculum, prerequisites, and course descriptions.

### Biology Major, B.S. in Ed. Degree - 124 hours

- **Freshman Year** - Fall Semester
  - BIOL 1000 The Discipline of Biology 1
  - BIOL 1111 Plant Biology 4
  - EASC 1004 Introduction to the Sciences: Geology 4
  - ENGL 1020 Composition I 3
  - General Education MATH 3
  - **Semester Total** 15

- **Freshman Year** - Spring Semester
  - BIOL 1112 Animal Biology 4
  - CHEM 1131 Chemistry I 5
  - ENGL 1030 Composition II 3
  - POLS 1510 American Government 3
  - **Semester Total** 15

### Sophomore Year** - Fall Semester
  - BIOL 2512 Cell Biology 3
  - EDFL 2100 Foundations of Education 2
  - EDLD 2150 Introductory Field Experience 1
  - EDLD 2240 Educational Psychology 3
  - HIST 1350 or 1351 History of the United States 3
  - **Semester Total** 16

- **Sophomore Year** - Spring Semester
  - BIOL 2020 General Ecology 3
  - PHYS 1101 Physics I (4) or
    - PHYS 1104 Introduction to Sciences: Physics (4) or
    - PHYS 2121 University Physics (5)
  - General Education 9
  - **Semester Total** 16-17

### Junior Year** - Fall Semester
  - BIOL 3511 Genetics 4
  - BIOL 2512 Cell Biology 3
  - EDLD 2100 Foundations of Education 2
  - EDLD 2240 Educational Psychology 3
  - Major Electives* 2
  - **Semester Total** 15

- **Junior Year** - Spring Semester
  - BIOL 3431 Animal Physiology (fall only) or
    - BIOL 4411 Plant Physiology (spring only) 4
  - CTE 2000 Technology & Society 3
  - EDLD 4210 The Teaching of Reading in the Sec. School 2
  - PSY 4230 Psychology of Adolescence 3
  - General Education 3
  - **Semester Total** 18

### Senior Year** - Fall Semester
  - EDLD 3500 Secondary Teaching & Behavior Management 3
  - EDLD 3550 Practicum in Secondary Instruction 1
  - STCH 4050 Science Teaching Methods 3
  - Major Electives* 3-4
  - General Education 6
  - **Semester Total** 16-17

- **Senior Year** - Spring Semester**
  - EDLD 4595 Student Teaching Secondary I 5
  - ICAP 4468 Student Teaching Secondary II 4
  - STCH 4080 Teaching Secondary Science 3
  - **Semester Total** 12

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- **This major requires 9-10 hours of major electives (hours depend on PHYS option selected). See the Undergraduate catalog for appropriate major elective course choices and for the Unified Science Certification requirements.**

- **The courses listed for this semester constitute the professional education (student teaching) block. The student should not take any other courses during this semester.**

- **A 15 hour block of General Education courses in Math, Written Communication, History or Political Science, and Science must be completed in the first four semesters to prepare for the College-BASE for Teachers exam. These courses are indicated on this guide in bold italics. Take the College-BASE exam the semester following completion of the 15 hour set of General Education courses. Students must pass all five areas of the College-BASE for Teachers exam as a prerequisite for admission to the Teacher Education Program.**

- **See www.ucmo.edu/cert for statement and information (including application) on admission to teacher education. Full admission is required before enrollment in professional education classes and student teaching. The application for student teaching is due approximately one year in advance.**