University of Central Missouri • Four-Year Academic Guide

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

This guide is valid for the 2011 Undergraduate Catalog only and is subject to change. This guide is a recommendation only and your actual program may vary. Time to degree and course sequencing will depend on any credits transferred to UCM and on Planned 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 - 127 hours

**Freshman Year - Fall Semester**
- BIOL 1000 The Discipline of Biology **1**
- BIOL 1111 Plant Biology **4**
- EASC 1004 Intro. 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 2511 Genetics **4**
- BIOL 2512 Cell Biology **3**
- EDFL 2100 Foundations of Education **2**
- FLDX 2150 Introductory Field Experience **1**
- EDFL 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) **4-5**
- General Education **9**
- **Semester Total** **16-17**

**Junior Year - Fall Semester**
- BIOL 3611 Microbiology **4**
- BIOL 3712 Field Natural History **4**
- EDSP 2100 Education of the Exceptional Child or PSY 4200 Psychology of Exceptional Children **2**
- EDFL 4300 Educ. Measurement & Evaluation **2**
- Major Electives* **6**
- **Semester Total** **18**

**Junior Year - Spring Semester**
- BIOL 3431 Animal Physiology or BIOL 4411 Plant Physiology **4**
- CTE 2000 Technology & Society **3**
- EDFL 4210 Teaching Reading in Sec. Schools **2**
- PSY 4230 Psychology of Adolescence **3**
- Major Electives* **3**
- General Education **3**
- **Semester Total** **18**

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

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

**Biology Major, B.S. in Ed. Degree - 127 hours**

- *This major requires 12-13 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.