

Southern Illinois University Edwardsville

BACHELOR OF SCIENCE - BIOLOGY

Secondary Education Certification: Grades 6-12

This guide provides only a suggested course of study and should be used in consultation with an adviser and the SIUE Undergraduate Catalog available online at www.siu.edu/registrar/.

**Students may choose a B.A. DEGREE IN BIOLOGY,
which includes the courses listed below and 2 semesters of a foreign language**

YEAR	FALL	SPRING
1	CHEM 121a General Chemistry I (Intro NSM) 4 CHEM 125a General Chemistry Lab I 1 ENG 101 English Composition I 3 MATH 125 Pre-Calc Math (Intro NSM)^ 3 PHIL 106, MATH 106, or FL 106 3 Intro Fine Arts & Humanities# 3 <hr style="width: 100%;"/> 17	BIOL 120 Animal Systems 4 CHEM 121b General Chemistry II (Dist NSM) 4 CHEM 125b General Chemistry Lab II 1 ENG 102 English Composition II 3 STAT 244 (recom), STAT 107, or CMIS 108 3-4 Intro Fine Arts & Humanities or Social Sciences# 3 <hr style="width: 100%;"/> 18-19
2	BIOL 121 Plant Systems 4 CHEM 241a Organic Chemistry I 3 GEOG 210 Physical Geography 3 PSYC 111 Foundations of Psyc (Intro SS) 3 SPC 103 Interpersonal Communication (IGR) 3 Dist Fine Arts & Humanities# 3 <hr style="width: 100%;"/> 19	BIOL 220 Genetics 4 CHEM 241b Organic Chemistry II 3 CHEM 245 Organic Chemistry Lab 2 CI 200 Introduction to Education 2 PHYS 118 Astronomy 3 Dist Social Sciences# 3 <hr style="width: 100%;"/> 17 Complete ICTS Basic Skills Test for Admission to the Teacher Cert. Program
3	BIOL 319 Cell & Molecular Biology (fall only) 4 BIOL 365 Ecology (fall only) 4 PHYS 131a College Physics I ^ 5 Interdisciplinary Studies (IS)# 3 <hr style="width: 100%;"/> 16	BIOL 327 Evolution 3 BIOL 340 Animal Physiology 4 PHYS 131b College Physics II 5 SCI 451 Integrated Science 3 SPE 400 The Exceptional Child 3 <hr style="width: 100%;"/> 18
4	BIOL 494 Methods of Teaching Biology 3 BIOL 400-level ELECTIVE (with lab) 4 CI 315a Methods of Teaching in Sec Schools 2 CI 440 Teaching Reading in the Sec School* 3 EPFR 315 Educational Psychology 3 EPFR 320 Foundations of Education in a Multicultural Society 3 <hr style="width: 100%;"/> 18	BIOL 497 Senior Assignment 2 CI 315b Methods of Teaching in Sec Schools 2 CI 352b Secondary Student Teaching - Biology 10 <hr style="width: 100%;"/> 14

^ Students with transfer credit for MATH 120 College Algebra, and PHYS 131a College Physics I, do not have to complete MATH 125 Pre-Calculus Mathematics with Trigonometry. In order to be eligible to take CHEM 121a General Chemistry I, students must have completed MATH 120 or begin in MATH 125. MATH 125 is also a prerequisite for PHYS 131a.

* It is preferable to complete CI 440 *prior* to student teaching; however, if necessary, it is possible to take CI 440 during the semester in which student teaching is done.

In order to satisfy the International Issues (II) or International Culture (IC) requirement, FL 111 a-b-c or d, or IS 324, 326, 336, 340, 352, 353, 363, 364, 375, 377, or 400 must be included; if not taken, an additional course from the approved list of II/IC courses in the SIUE Undergraduate Catalog must also be taken.

Students may elect to take courses during the summer term to lessen their academic load.

Declaring a Biology Major: In order to declare a Biology major, it is necessary to have:

1. Completed all Academic Development courses required by the University;
2. Completed any required courses to address high school deficiencies;
3. A cumulative grade point average of 2.0 (on a 4.0 scale) on all work.

In order to be admitted into the teacher certification program, students must:

1. Receive a grade of C or above in ENG 101 and ENG 102;
2. Complete 43 semester hours of course credit and have a cumulative grade point average of 2.5 or higher (this includes work at other institutions);
3. Successfully complete the introductory course CI 200;
4. Pass the ICTS Basic Skills Test. Information about this test is available at: www.icts.nesinc.com.

For further information concerning the biology requirements, contact the Biology Department, SL 3331, 650-3927.

For additional information concerning teacher certification, consult Pamela Feters (last names A-K) or Elaine Farrar (last names L-Z), FH 1110, 650-3940.

10/10/08