

Southern Illinois University Edwardsville
BACHELOR OF SCIENCE - INTEGRATIVE BIOLOGY

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/.

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-Calculus/Trig (Intro NSM) 3 SPC 103, 104, or 105 Speech Communication 3	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 PHIL 106 Critical Thinking or MATH 106 Deductive Reasoning 3
	14	15
2	BIOL 121 Plant Systems 4 CHEM 241a Organic Chemistry I 3 STAT 244 Statistics 4 Intro Fine Arts & Humanities 3 Intro Social Sciences 3	BIOL 220 Genetics 4 CHEM 241b Organic Chemistry II 3 CHEM 245 Organic Chemistry Lab 2 Dist Fine Arts & Humanities 3 Intro Fine Arts & Hum or Intro Soc Sci 3
	17	15
3	BIOL 319 Cell & Molecular Biology 4 Ecology, Evolution, & Behavior ELECTIVE+ 3-4 PHYS 131a College Physics I* 5 Dist Social Sciences 3	Biological Diversity ELECTIVE^ 3-4 Morphology, Physiology & Develop ELEC^^ 3-4 PHYS 131b College Physics II* 5 Intergroup Relations (IGR)** 3
	15-16	14-16
4	BIOL ELECTIVE 400 level 3 Cellular & Molecular Biology ELECTIVE++ 3-4 Interdisciplinary Studies (IS) 3 Internat'l Issues/Internat'l Culture (II/IC)** 3 ELECTIVE 3	BIOL 497 Senior Assessment 2 BIOL ELECTIVE 400 level 3 ELECTIVE 3 ELECTIVE 3 ELECTIVE 3 ELECTIVE 3
	15-16	17

* MATH 150, Calculus I, and PHYS 111, Concepts of Physics, *or* PHYS 151/151L and PHYS 152/152L may be substituted for PHYS 131a, b. PHYS 151/151L, University Physics I, has a prerequisite or corequisite of MATH 152, Calculus II.

** Courses that fulfill this requirement may satisfy another General Education requirement. Refer to the SIUE Undergraduate Catalog for a list of approved courses.

Note: Two of the four courses selected to meet Biology-area electives must have labs. Courses with **labs** are in bold.

+ Select one of: BIOL 327, **365**, 422, **461**, **465**, **466**, 468, 469, **470**, **471**, **480**, or **488**.

++ Select one of: BIOL 335, **415**, 418a, **418b**, 421, **432**, 452, or 455.

^ Select one of: BIOL **350**, **380**, 471, **474**, **485**, **486**, or **488**.

^^ Select one of: BIOL **337**, **340**, **389**, **461**, 467, **472**, or **473**.

Declaring an Integrative Biology Major: To declare a major in Integrative Biology, 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 minimum grade point average of 2.0 in science and mathematics courses completed as well as a cumulative grade average of at least 2.0 or higher (on a 4.0 scale) in all courses taken at SIUE.

Note: In order to declare, transfer students are required to have a 2.0 GPA in science and math courses taken at other institutions.