

**Southern Illinois University Edwardsville**  
**BACHELOR OF SCIENCE - BIOLOGICAL SCIENCES: MEDICAL SCIENCES**

This guide provides only a suggested course of study and should be used in consultation with an advisor and the SIUE Undergraduate Catalog, available online at [www.siu.edu/registrar/](http://www.siu.edu/registrar/).

YEAR	FALL	SPRING
1	CHEM 121a General Chemistry I (Intro NSM) 4 CHEM 125a General Chemistry Lab I 1 MATH 150 Calculus I (Intro NSM) 5 ENG 101 English Composition I 3 SPC 103 Interpersonal Comm or SPC 105 Public Speaking 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16	BIOL 150 Intro to Biological Sciences I 4 CHEM 121b General Chemistry II (Dist NSM) 4 CHEM 125b General Chemistry Lab II 1 STAT 244 Statistics 4 ENG 102 English Composition II 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16
2	BIOL 151 Intro to Biological Sciences II 4 CHEM 241a Organic Chemistry I 3 PHIL 106 Critical Thinking or MATH 106 Deductive Reasoning 3 Intro Fine Arts & Humanities 3 Intro Social Sciences 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16	BIOL 220 Genetics 4 CHEM 241b Organic Chemistry II 3 CHEM 245 Organic Chemistry Lab 2 PHYS 131a College Physics I+ 5 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 14
3	BIOL 319 Cell & Molecular Biology 4 BIOL ELECTIVE (300-400 level)^ 3-4 PHYS 131b College Physics II+ 5 Intro Fine Arts & Hum or Intro Soc Sci 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 15-16	BIOL 340 Physiology# 4 BIOL ELECTIVE (300-400 level)^ 3-4 Dist Fine Arts & Humanities 3 Dist Social Sciences 3 Intl Issues/Intl Cultures (II/IC)* 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16-17
4	BIOL 492 Colloquium I 1 BIOL ELECTIVE (400 level)^ 3-4 CHEM 451a Biochemistry I 3 Interdisciplinary Studies (IS) 3 Intergroup Relations (IGR)* 3 ELECTIVE 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16-17	BIOL 492m Colloquium II or BIOL 497 Senior Assignment 1 CHEM 451b Biochemistry II 3 ELECTIVE 3 ELECTIVE 3 ELECTIVE 4 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 14

\* Course taken to fulfill this requirement may also satisfy another General Education requirement. Refer to the SIUE Undergraduate Catalog for a list of approved courses.

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

^ At least 10 hours of Biology electives are required and one Biology elective must be a 400 level course.

# Prerequisites for BIOL 340 include a minimum overall 3.0 GPA and BIOL 319 and PHYS 131b with grades of C or better.

**Note:** Students are required to complete 38 hours of Biological Sciences courses. CHEM 451a and CHEM 451b count as 6 hours of Biological Sciences but not as 400 level Biology electives.

For additional information about planning for a health profession or medical program, students must regularly consult with their academic advisors concerning exam requirements and application procedures. Please also see the Health Professions website at [www.siu.edu/BIOLOGY/hlthprof.htm](http://www.siu.edu/BIOLOGY/hlthprof.htm).

**Declaring a Medical Sciences Major:** To declare a major in Medical Sciences, 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 in science and mathematics courses completed as well as a cumulative grade point 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.**

For further information, contact the Biology Department, SL 3300, 650-3927, or CAS Undergraduate Advising, PH 1315, 650-5525.

10/21/11