

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

**This is a sample curriculum only, and does not represent all options for completing the BIOM degree;** transferred, dropped, and/or repeated courses may alter the sequence of courses required. Formal degree requirements are presented in the SIUE Undergraduate Catalog (available online at [www.siu.edu/registrar](http://www.siu.edu/registrar)) and are available from academic advisors.

YEAR	FALL	SPRING
1	BIOL 150 – Biology I (BLS, EL) 4 CHEM 121A – General Chemistry I (BPS) 4 CHEM 125A – General Chemistry Lab I (EL) 1 ENG 101 – English Composition I 3 MATH 145 - Calculus for Life Sciences(FQR) <sup>A</sup> 5 Total 17	BIOL 151 – Biology II (BLS, EL) 4 CHEM 121B – General Chemistry II (BPS) 4 CHEM 125B – General Chemistry Lab II (EL) 1 ENG 102 English Composition II 3 ACS 101 or 103 - Oral Expression 3 Total 15
2	BIOL 220 – Genetics 4 CHEM 241A – Organic Chemistry I (EL) 3 RA 101 – Reasoning & Argumentation or STAT 244 – Statistics (BICS) 4 Breadth Humanities (BHUM) 3 Total 17	BIOL 319 – Cell & Molecular Biology 4 CHEM 241B – Organic Chemistry II (BPS) 3 CHEM 245 – Organic Chemistry Lab (EL) 2 PHYS 131/131L or PHYS 151, 151L 5 Total 14
3	BIOL Elective 3 PHYS 132/132L or PHYS 152, 152L 5 Breadth Social Science (BSS) 3 Breadth Fine & Performing Arts (BFPA) 3 Total 16	BIOL 340 – Physiology <sup>B</sup> 4 BIOL Elective (300-400 Level) 3-4 Elective 3 Experience Global Cultures (EGC) 3 Health Experience (EH) 3 Total 16-17
4	BIOL 492 1 BIOL Elective (400 Level) 4 CHEM 351 – Biochemistry I 3 Interdisciplinary Studies (IS) 3 Elective 2 Total 13	BIOL 492m or 497 1 BIOL Elective (300-400 Level) 3-4 CHEM 352 – Biochemistry II 3 Experience United States Culture (EUSC) 3 Elective 3 Total 13-14

<sup>A</sup> MATH 150 may be substituted for MATH 145.

<sup>B</sup> Prerequisites for BIOL 340 include minimum 3.0 GPA.

**Note 1: Students are required to complete 38 hours of Biological Sciences courses for graduation. Ten of those hours will be biology electives which must include one 400-level course.**

For additional information about planning for a health profession or medical program, please 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 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.
4. Transfer students are required to have a 2.0 GPA in science and math courses taken at other institutions

For further information, contact the Department of Biological Sciences, SLW 1155, 650-3927.

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