

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

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/.

| YEAR | FALL | SPRING |
|------|---|---|
| 1 | CHEM 121a General Chemistry I (Intro NSM) 4 CHEM 125a General Chemistry Lab I 1 MATH 125 Pre-Calc Math (Intro NSM) 3 ENG 101 English Composition I 3 SPC 103 Interpersonal Communication (IGR)+ 3 | BIOL 150 Intro to Biological Sciences I 4 CHEM 121b General Chemistry II (Dist NSM) 4 CHEM 125b General Chemistry Lab II 1 ENG 102 English Composition II 3 STAT 107 Concepts of Statistics or STAT 244 Statistics (recom) 3-4 |
| | 14 | 15-16 |
| 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 | BIOL 220 Genetics 4 CHEM 241b Organic Chemistry II 3 CHEM 245 Organic Chemistry Lab 2 PHYS 131a College Physics I# 5 Intro Fine Arts & Hum or Intro Soc Sci* 3 |
| | 16 | 17 |
| 3 | BIOL 319 Cell & Molecular Biology 4 BIOL 350 Microbiology 4 CHEM 351 Biochemistry 3 PHYS 131b College Physics II# 5 | BIOL 335 Intro to Immunology 3 BIOL 340 Physiology^ 4 Dist Fine Arts & Humanities* 3 Dist Social Sciences* 3 Interdisciplinary Studies (IS)* 3 |
| | 16 | 16 |
| 4 | HOSPITAL CLINICAL EDUCATION 18 | HOSPITAL CLINICAL EDUCATION 18 |

+ If SPC 105 is taken instead of SPC 103, then a course from the list of Intergroup Relations courses in the current SIUE catalog must also be taken.

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

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.

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

The Department of Biological Sciences, in conjunction with affiliated hospitals, offers a one year (12 month) clinical experience to selected students. The students receive 36 hours of biological sciences credit when they complete the clinical program. The hospital clinical year is required for any student who wishes to become accredited by the American Society of Clinical Pathologists. The hospitals administering this program make the final selections of students based upon overall GPA and other selection criteria.

Declaring a Medical Technology Major: To declare a major in Medical Technology, 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 Biological Sciences Department, SL 3300, 650-3927, or CAS Undergraduate Advising, PH 1315, 650-5525.