

Southern Illinois University Edwardsville
BACHELOR OF ARTS - BIOCHEMISTRY

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 4 CHEM 125a General Chemistry Lab I 1 ENG 101 Composition I 3 MATH 150 Calculus I (Intro NSM) 5 Intro Social Sciences 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16	CHEM 121b General Chemistry II 4 CHEM 125b General Chemistry Lab II 1 ENG 102 Composition II 3 MATH 152 Calculus II 5 BIOL 120 Animal Systems (Intro NSM) 4 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 17
2	CHEM 241a Organic Chemistry I 3 CHEM 331 Quant Analytical Chemistry 3 CHEM 335 Quant Analytical Chem Lab 1 PHYS 131a <i>or</i> PHYS 151/151L 5 BIOL 121 Plant Systems 4 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16	CHEM 241b Organic Chemistry II 3 CHEM 245 Organic Chemistry Lab 2 PHYS 131b <i>or</i> PHYS 152/152L (Dist NSM) 5 BIOL 220 Genetics 4 Intro Fine Arts & Humanities 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 17
3	CHEM 361a Physical Chemistry 3 CHEM 365a Physical Chemistry Lab 2 CHEM 451a Biochemistry 3 BIOL 319 Cell & Molecular Biology 4 Foreign Language 101 4 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16	CHEM 451b Biochemistry 3 CHEM 455 Experimental Methods in Biochem 2 CHEM Lab ELECTIVE# 2 Intro Fine Arts & Hum <i>or</i> Intro Soc Sciences 3 Foreign Language 102 (IC) 4 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 14
4	CHEM Lecture ELECTIVE+ 3 CHEM Lab ELECTIVE# 1-2 CHEM 459 Special Topics in Biochemistry 3 CS 140 <i>or</i> STAT 107, 244, 380, or 480 3-4 Dist Fine Arts & Humanities 3 Intergroup Relations (IGR)** 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16-18	CHEM 499 Special Topics in Organic Chem 0 BIOL* <i>or</i> CHEM ELECTIVE 3 Dist Social Sciences 3 Interdisciplinary Studies (IS) 3 ELECTIVE 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 12

+ CHEM Lecture Electives - Choose from: CHEM 361b, 411, 419, 431, 439, 441, 444, 449, 469, 471, or 479.

CHEM Lab Electives - Choose from: CHEM 345, 365b, 396, 415, 435, 455, or 496.

* Choose from BIOL 325, 331, 335, or 340.

** 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.

Declaring a BioChemistry Major: To declare a major in BioChemistry, it is necessary:

1. To have completed all Academic Development courses required by the University;
2. To have completed any required courses to address high school deficiencies;
3. To have successfully completed CHEM 121a and 125a or the equivalent courses with grades of C or better;
4. To have a minimum grade point average of 2.4 in science and mathematics courses completed as well as a cumulative grade point average of 2.5 or higher (on a 4.0 scale) in all courses taken at SIUE;
5. For transfer students to have a 2.6 GPA in science and math courses taken at other institutions and a 2.5 overall GPA in other transferable work.

Note: Students who do not meet the GPA requirements may be provisionally accepted and will receive advisement. See the Chemistry Department for more information.

For further information contact the Chemistry Department, SL 2306, 650-2042.