

Southern Illinois University Edwardsville
BACHELOR OF ARTS - CHEMISTRY: MEDICAL SCIENCE

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 [^] 4 CHEM 125a General Chemistry Lab I 1 MATH 150 Calculus I (Intro NSM) 5 ENG 101 English Composition I 3 Intro Fine Arts & Humanities 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16	CHEM 121b General Chemistry II [^] 4 CHEM 125b General Chemistry Lab II 1 BIOL 150 Intro to Biol Systems I (Intro NSM) 4 MATH 152 Calculus II (Dist NSM) 5 ENG 102 English Composition II 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 17
2	CHEM 241a Organic Chemistry I 3 PHYS 151/151L Univ Physics I <i>or</i> PHYS 131a College Physics I 5 CS 140 <i>or</i> STAT 107, 244, or 380 3-4 Intro Social Sciences 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 14-15	CHEM 241b Organic Chemistry II 3 CHEM 245 Organic Chemistry Lab 2 PHYS 152/152L Univ Physics II <i>or</i> PHYS 131b College Physics II 5 Intro Fine Arts & Hum <i>or</i> Intro Soc Sci 3 Dist Fine Arts & Humanities 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16
3	CHEM 331 Quantitative Analytical Chem 3 CHEM 335 Quant Analytical Chem Lab 1 CHEM 361a Physical Chemistry 3 CHEM 365a Physical Chemistry Lab 2 Foreign Language 101 4 Interdisciplinary Studies (IS) 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16	CHEM ELECTIVE+ 3 BIOL 151 Intro to Biol Systems II 4 Foreign Language 102 (IC) 4 Dist Social Sciences 3 ELECTIVE# 2 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16
4	CHEM 451a Biochemistry 3 BIOL 220 Genetics 4 Intergroup Relations (IGR)* 3 ELECTIVE# 3 ELECTIVE# 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 16	CHEM 451b Biochemistry 3 CHEM 499 Senior Assignment 0 CHEM ELECTIVE++ 1-2 ELECTIVE# 3 ELECTIVE# 3 ELECTIVE# 3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 13-14

[^] Grades of C or higher in CHEM 121a & 121b are required of all students before proceeding into any Chemistry courses numbered above 199.

* 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.

+ Choose from CHEM 361b, 411, 419, 431, 439, 444, 449, 471, or 479.

++ Choose from CHEM 345, 365b, 396, 415, 435, 455, or 496.

Additional chemistry and biology recommended, such as BIOL 319, 335, and 340.

Declaring a Chemistry: Medical Science Major: To declare a major in Chemistry: Medical Science, 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, 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 average 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 2325, 650-2042, or CAS Undergraduate Advising, PH 1315, 650-5525.