

Southern Illinois University Edwardsville
BACHELOR OF ARTS - CHEMISTRY: BASIC

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 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 MATH 152 Calculus II (Dist NSM) 5 ENG 102 English Composition II 3 Intro Fine Arts & Humanities 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16
2	CHEM 241a Organic Chemistry I 3 PHYS 151/151L Univ. Physics I <i>or</i> PHYS 131a College Physics I (Intro NSM) 5 CS 140 <i>or</i> STAT 107, 244, or 380 3-4 Intro Fine Arts & Hum or Soc Sciences 3 <hr style="width: 50%; 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 Dist Social Sciences 3 Minor/ELECTIVE# 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16
3	CHEM 331 Quant Analytical Chemistry 3 CHEM 335 Quant Analytical Chem Lab 1 CHEM 361a Physical Chemistry 3 CHEM 365a Physical Chemistry Lab 2 Foreign Language 101 4 Intergroup Relations (IGR)+ 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16	CHEM ELECTIVE* 3 Foreign Language 102 (IC) 4 Interdisciplinary Studies (IS) 3 Minor/ELECTIVE# 3 Minor/ELECTIVE# 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16
4	CHEM 499 Senior Assignment 0 CHEM ELECTIVE* 3 Dist Fine Arts & Humanities 3 Minor/ELECTIVE# 3 Minor/ELECTIVE# 3 Minor/ELECTIVE# 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 15	CHEM ELECTIVE* 3 CHEM ELECTIVE** 1-2 Minor/ELECTIVE# 3 ELECTIVE# 3 ELECTIVE# 3 ELECTIVE# 2 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 15-16

[^] 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.

[#] Students may take a minor or a group of courses from one or more departments that will support their major educational and career objectives. If they choose the second alternative, the curriculum must include at least four supporting courses that total at least 12 credit hours. The physics and mathematics courses required for the degree do not count as supporting courses.

^{*} Choose from CHEM 361b, 411, 419, 431, 439, 441, 444, 449, 451a, 451b, 469, 471, or 479.

^{**} Choose from CHEM 345, 365b, 396, 415, 435, 455, or 496.

Declaring a Chemistry Major: To declare a major in Chemistry, 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 average of at least 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.