

**Southern Illinois University Edwardsville**  
**BACHELOR OF SCIENCE - CHEMISTRY: ACS**

YEAR	FALL	SPRING
1	CHEM 121a General Chemistry CHEM 125a General Chemistry Lab ENG 101 Composition MATH 150 Calculus I (Intro NSM) SPC 103, 104, or 105 Speech Comm*	4 1 3 5 3 <hr/> 16
		CHEM 121b General Chemistry CHEM 125b General Chemistry Lab ENG 102 Composition MATH 152 Calculus II PHIL 106 or MATH 106 <hr/> 16
2	CHEM 331 Quant Analytical Chemistry CHEM 335 Quant Analytical Chem Lab CHEM 241a Organic Chemistry PHYS 211a Univ Physics (Intro NSM) PHYS 212a University Physics Lab Intro Fine Arts & Humanities	3 1 3 4 1 3 <hr/> 15
		CHEM 241b Organic Chemistry CHEM 245 Organic Chemistry Lab CS 140 or STAT 107, 244, 380, or 480 PHYS 211b Univ Physics (Dist NSM) PHYS 212b University Physics Lab Intro Fine Arts & Hum or Intro Soc Sci <hr/> 16-17
3	CHEM 361a Physical Chemistry CHEM 365a Physical Chemistry Lab CHEM 451a Biochemistry Dist Fine Arts & Humanities Interdisciplinary Studies (IS) Intro Social Sciences	3 2 3 3 3 3 <hr/> 17
		CHEM 361b Physical Chemistry CHEM 365b Physical Chemistry Lab CHEM ELECTIVE# Dist Social Sciences Intergroup Relations (IGR)+ ELECTIVE <hr/> 16
4	CHEM 411 Inorganic Chemistry CHEM 415 Inorganic Chemistry Lab ELECTIVE ELECTIVE ELECTIVE	3 2 3 3 2 <hr/> 13
		CHEM 431 Instrumental Analysis CHEM 435 Instrumental Analysis Lab CHEM 499 Senior Assignment CHEM ELECTIVE## Internat'l Issues/Internat'l Culture (II/IC)+ ELECTIVE ELECTIVE <hr/> 15

\* SPC 103 recommended (also satisfies Intergroup Relations requirement).

+ 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 419, 439, 441, 444, 449, 451b, 459, 469, 471, or 479.

## Choose from CHEM 345, 396, 455, or 496

Note: This guide provides only a suggested course of study. The guide should be used in consultation with an adviser and the SIUE Undergraduate Catalog available online at [www.registrar.siu.edu/registrar/catalogs.htm](http://www.registrar.siu.edu/registrar/catalogs.htm).

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 CHEM121a, 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 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.