

BACHELOR OF SCIENCE

Chemistry Major Courses 2019-2021

14 courses; Minimum 30 credits required; 26 credits must be from SU

Course	Name	Grade	Credit
CHE51-103	General Chemistry I		
CHE51-101	Chemical Methods and Techniques Lab I		
CHE51-203	General Chemistry II		
CHE51-201	Chemical Methods and Techniques Lab II		
CHE51-314	Organic Chemistry I*		
CHE51-311	Organic Chemistry I Lab*		
CHE51-324	Organic Chemistry II for Majors*		
CHE51-331	Organic Chemistry II for Majors Lab*		
CHE51-704	Physical Chemistry: Thermodynamics & Kinetics		
CHE51-932	Senior Capstone		

Take three upper level Chemistry courses (levels 400-700)

CHE51-XX4			
CHE51-XX4			
CHE51-XX4			

Take three advanced laboratory classes (level 800)

CHE51-8X2			
CHE51-8X2			
CHE51-8X2			

*** At least one course from CHE51-314/311 and CHE51-324/331 must be taken at SU**

Take one of the following options:

Option #1:

Two credits of one of the following two research courses

		Grade	Credit
CHE51-91X	Methods in Laboratory Research		
CHE51-92X	Laboratory Research with Distinction		

Option #2:

CHE51-94X	Academic Internship (minimum 2 credits)		
-----------	---	--	--

Option #3:

Take one additional advanced Lab course (level 800). This option is only available to students who have not completed a Methods in Lab Research course.

CHE51-8X2			
-----------	--	--	--

Required Supporting Courses:

Select one of the following:

MAT52-154	Calculus I		
MAT52-164	Applied Multivariable Calculus I		

Select one of the following:

MAT52-254	Calculus II		
MAT52-264	Applied Multivariable Calculus II		

Take the following:

BIO50-123	Living Systems		
BIO50-121	Investigation into Living Systems		
BIO50-133	Molecular and Population Genetics		
BIO50-131	Investigation into Genetics		
PHY53-154	Fundamentals of Physics I		
PHY53-164	Fundamentals of Physics II		

**Two courses from different depts in this section may be used in the E&B.*

General Education Requirements

At least 30 total credits required; minimum 3 credits per requirement.

General Education - Part I

Take one of the following first semester seminars:

UST05-014	First Year Seminar		
UST05-214	Advanced Entry Seminar		

Foreign Language (three semesters of the same language)

Social Justice Course (may double count with any requirement):

--	--	--	--

Two Fitness/Recreational Activity courses (must be different topics):

General Education - Part II: Exploration & Breadth (6 total courses)

CHE51-XXX courses cannot be used to satisfy E&B requirements.

Select one course from each of the four following areas:

Humanities:

--	--	--	--

Natural Sciences:

--	--	--	--

Social Sciences:

--	--	--	--

Fine Arts:

--	--	--	--

Select one additional course from TWO of the four areas: Humanities, Natural Science, Social Science and Fine Arts. Neither course may come from the department (3 digit prefix) used above. EX: If you took PSY33-104 Principles of Psychology as a social science, you may not select another PSY33-XXX course to apply in this section.

*Public Speaking, College Writing and Creative Writing courses may not count in E&B.

University Graduation Requirements:

Minimum of 127 credits:

Cumulative GPA > 2.0

GPA > 2.0 for Major and/or Areas of Concentration

All grades C- or higher in major/minor/core?

At least 64 credits completed at Southwestern

No more than 56 credits of any 5 digit prefix

Major credits completed (min 30 required)

60% of Major courses completed at Southwestern (26cr)

Gen Ed has minimum of 30 credits

Minor (optional):

Minimum 18 credits

Minimum of 12 credits taken at Southwestern

Minimum 2.0 minor courses CGPA

Other:

Degree Audit Completed (Due one year before grad date)

Grad Application Submitted (Due start of final semester)

Approved to be part time in last semester?
