

BACHELOR OF SCIENCE IN CHEMISTRY

Stu ID: _____	Date: _____
Name: _____	Advisor: _____
Major: Chemistry - BS	Catalog: 2017-2018
Minor: _____	Ant Grad: _____

MAJOR COURSES

Minimum 10 courses; Minimum 30 credits required; 19 credits must be from SU

Select one of the following:

		Grade	Credit
CHE51-153	Principles of General Chemistry		
CHE51-143	Principles of General Chemistry w/ Tutorial		

Take the following courses:

CHE51-151	Chemical Methods and Techniques Lab		
CHE51-163	Chemical Kinetics & Equilibrium		
CHE51-161	Chemical Kinetics & Equilibrium Lab		
CHE51-822	Chemistry Literature Seminar		

Select one from the following Capstones:

CHE51-912	Senior Research Capstone		
CHE51-922	Senior Literature Seminar Capstone		

Select one course from each of the five areas below (Courses MUST be taken at SU):

Analytical:			
CHE51-644	Instrumentation in Env. & Biological Analysis		
Biochemistry:			
CHE51-564	General Biochemistry I for Majors		
CHE51-584	General Biochemistry II		
Inorganic:			
CHE51-634	Inorganic Chemistry & Biological Systems		
Organic:			
CHE51-543/541	Organic Chemistry and Lab		
CHE51-553/561	Organic Chemistry II for Majors or Org Chem II		
Physical:			
CHE51-714	Physical Chemistry: Thermodynamics & Kinetics		
CHE51-724 or 424	Physical Chemistry: Quantum Mech & Stat Mechanics OR Quantum Physics		

Required Supporting Course:

MAT52-254	Calculus II		
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B.S. Core Courses:

BIO50-123	Living Systems		
BIO50-121	Investigation into Living Systems		
BIO50-133	Molecular and Population Genetics		
BIO50-131	Investigation into Genetics		
CHE51-153 or 143	Principles of General Chemistry	MAJOR	0
CHE51-151 or 141	Chemical Methods and Techniques Lab	MAJOR	0
CHE51-163	Chemical Kinetics & Equilibrium	MAJOR	0
CHE51-161	Chemical Kinetics & Equilibrium Lab	MAJOR	0
MAT52-154	Calculus I		
PHY53-154	Fundamentals of Physics I		
PHY53-164	Fundamentals of Physics II		

Select one from the following:

MAT52-114	Introduction to Statistics		
MAT52-254	Calculus II	SC	0
CSC54-184	Computer Science I		

University Electives and/or Minor (optional):

GENERAL EDUCATION REQUIREMENTS

At least 30 total credits required, minimum 3 credits required per course

General Education Part I

First Year/Adv. Entry Seminar:

UST05-014 or UST05-214			
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Foreign Language (3 sem.)

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

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2 different FRAs:

Total Earned Credits:	0
Total Southwestern Credits:	
Total Major Credits:	0
Total Gen Ed Credits:	0

Exploration & Breadth - GE Part II

Six total courses

CHE major and elective courses cannot be used to satisfy Exploration & Breadth requirements.

Select one course from each of the four following areas:

Humanities:

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Natural Sciences:

MAT52-254	Calculus II	SC	0
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Social Sciences:

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Fine Arts:

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Select two additional courses from the four areas listed above. Courses must be from different areas and from different subjects from above courses:

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*Public Speaking, College Writing and Creative Writing courses may not count in Exploration & Breadth

A "C" average on all work attempted is required for graduation. No grade below "C-" may be counted toward the major or minor. At least 127 credits are required to earn a degree at Southwestern; of these, 64 credits must be completed in residence, including the last 32 credits. No more than 56 credit hours may be counted in one subject area. A major requires at least 30 credits, more than 50% upper-level, and a minor (optional) requires at least 18 credits (at least 12 upper-level). 60% of the major credits and 12 minor credits must be completed in residence at SU. With the exception of FRAs and the FY/AES seminar, all gen.ed. requirements require a minimum of 3 credits, including Fine Arts Performance. For a complete list of graduation requirements, see catalog.

Graduation Requirements:

Minimum of 127 credits:	_____
Cumulative GPA > 2.0	_____
GPA > 2.0 for Major, Minor and/or Areas of Concentration	_____
Less than C- grade 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 (19cr)	_____
50% of Major courses are upper level (16cr)	_____

Minor (optional):

Minimum 18 credits	_____
Minimum 12 upper level credits	_____
Minimum of 12 credits taken at Southwestern	_____

Notes:

Minimum 2.0 minor courses CGPA

Other:

Degree Audit Completed (Due one year before grad date)

Grad Application Submitted (Due start of final semester)
