

**General Education Requirements and Degree Information: BACHELOR OF SCIENCE IN CHEMISTRY**

**ID:** \_\_\_\_\_  
**Name:** \_\_\_\_\_  
**Major: Chemistry** \_\_\_\_\_  
 \_\_\_\_\_

**Update:** \_\_\_\_\_  
**Advisor:** \_\_\_\_\_  
**Catalog: 2016-2017** \_\_\_\_\_  
**Anticipated Degree Completion:** \_\_\_\_\_

Course	Grade	Credit
<b>FY/Adv. Entry Seminar:</b>		
05-014/214		

<b>Foreign Language (4 sem.)</b>		
I.		
II.		
III.		
IV.		

<b>Social Justice Course:</b>		

<b>Intercultural Perspective Course:</b>		

<b>2 different FRAs:</b>		

<b>B.S. students need take only 7 of the 8 highlighted requirements</b>		
<b>Humanities: 2 courses, may be same dept.:</b>		

Course	Grade	Credit
<b>Natural Sciences:</b>		
Exp. Lab:		B.S. CORE
MAT or CSC:		B.S. CORE

<b>Social Sciences: 2 courses, must be diff. depts:</b>		

<b>Fine Arts Lecture:</b>		

<b>Fine Arts Performance:</b>		

<b>B.S. Core:</b>		
BIO 50-123, 50-121		
BIO 50-133, 50-131		
CHE51-153/151		MAJOR
CHE51-163/161		MAJOR
MAT 52-154		
MAT52-254		
PHYS 53-154		
PHYS 53-164		

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). With the exception of FRAs and the FY/AES seminar, all gen.ed. requirements require a minimum of 3

## CHEMISTRY MAJOR (BS)

### Major Courses:

	Grade	Credit
CHE51-153 Principles of General Chemistry <b>OR</b>		
CHE51-143 Principles of General Chemistry with		
CHE51-151 Chemical Methods & Techniques Lab		
CHE51-163/161 Chemical Kinetics and Equilibrium		
CHE51-822 Chemistry Literature Seminar		

### Capstone (2 options):

CHE51-912 Chem. Lab Capstone (Option1)		
<b>OR</b>		
CHE51-924 Senior Sem Capstone (Option2)		

### 1 (at SU) Analytical course:

CHE51-214 Quantitative Methods of Analysis		
CHE51-614 Environmental Chemistry		
CHE51-644 Instrumentation in Environmental and		

### 1 (at SU) Biochemistry course:

CHE51-574 General Biochemistry I for Majors		
CHE51-584 General Biochemistry II		

### 1 (at SU) Inorganic course:

CHE51-624 Intermediate Inorganic Chemistry		
CHE51-634 Inorganic Chemistry & Bio. Systems		

### 1 (at SU) Organic course:

CHE51-543/-541 Organic Chemistry I		
CHE51-553/-561 Organic Chem II for majors		

### 1 (at SU) Physical course:

CHE51-714 Physical Chem.: Thermo/Kinetics		
CHE51-724 Physical Chem.: Quant Mech. & Stat.		

### Paideia:

Cluster:		
	Grade	Credit
Course 1:		
Course 2:		
Course 3:		
Seminar:		
Distinction:		

### Electives:

	Grade	Credit

Total credits w/gen ed:

**\*\*Minimum of 127 credits required.**