

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

**ID:** \_\_\_\_\_  
**Name:** \_\_\_\_\_  
**Major: Chemistry (ASC Certified)** \_\_\_\_\_  
 \_\_\_\_\_

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

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

**Foreign Language (4 sem.)**

I.		
II.		
III.		
IV.		

**Social Justice Course:**

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**Intercultural Perspective Course:**

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**2 different FRAs:**


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


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

**Social Sciences: 2 courses, must be diff. depts:**


**Fine Arts Lecture:**

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**Fine Arts Performance:**

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**B.S. Core:**

BIO 50-123, 50-121		
BIO 50-133, 50-131		
CHE51-153/151	MAJOR	
CHE51-163/161	MAJOR	
MAT 52-154		
MAT 52-254		
PHYS 53-154		
PHYS 53-164		

A minimum cumulative grade point average of 2.0 and a minimum of 127 credits are required to earn a degree at Southwestern. 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. Graduation requirements within the major include a minimum of 30 credits, at least 60% must be upper-level, 60% taken in residence and 50% of courses taken at Southwestern, within the major, must be upper level. No grade below "C-" may be counted toward the major or minor. Minors require a minimum of 18 credits, 12 must be taken at Southwestern and 12 must be upper level. 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.

**CHEMISTRY (BS, ASC CERTIFIED)**

Major Courses:	Grade	Credit
CHE51-153 Principles of General Chemistry or CHE51-143 Principles of General Chemistry with		
CHE51-151 Chemical Methods and Techniques Lab		
CHE51-163/161 Chemical Kinetics & Equilibrium		
CHE51-822 Chemistry Literature Seminar		
CHE51-543/-541 Organic Chemistry I		
CHE51-553/-561 Organic Chem II for Majors (soph. year)		
CHE51-714 Physical Chem.: Therm./Kinetics		
CHE51-724 Physical Chem:Quant. Mech/Stat. (junior year)		
CHE51-564 General Biochemistry I for Majors		
CHE51-624 Intermediate Inorganic Chemistry		
CHE51-644 Instrumentation in Env. I and Bio. Analysis		
CHE51-991 Methods in Laboratory Research (repeated for total of two credits)		
CHE51-912 Chemistry Lab Research Capstone		

**Two additional upper-level (3-4 CREDIT EACH) approved courses:**

CHE51-XXX		
CHE51-XXX		

\*contact department chair for approval of courses

**Within required B.S. core support, must take Calculus II**

Total credits w/gen ed: \_\_\_\_\_

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

Electives:	Grade	Credit

**Paideia:**

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