

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

ID: _____
Name: _____
Major: Chemistry _____

Course	Grade	Credit
FY/Adv. Entry Seminar: 05-012/212		

Foreign Language (4 sem.)

I.		
II.		
III.		
IV.		

Social Justice Course:

--	--	--

Intercultural Perspective Course:

--	--	--

2 different FRAs:

B.S. students need take only 7 of the 8 highlighted requirements

Humanities: 2 courses, may be same dept.:

Update: _____
Advisor: _____
Catalog: 2014-2015 _____

≈ Degree

Course	Grade	Credit
Natural Sciences:		
Exp. Lab:		B.S. CORE
MAT or CSC:		B.S. CORE

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

Fine Arts Lecture:

--	--	--

Fine Arts Performance:

--	--	--

B.S. Core:

BIO 50-102, 50-112		
BIO 50-122, 50-162		
CHE51-153/151		MAJOR
CHE51-163/161		MAJOR
MAT 52-154		
1 from: 52-114, 52-254, or 54-184 *major specific		
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, 60% 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 credits, including Fine Arts Performance.

CHEMISTRY MAJOR (BS)

Major Courses:	Grade	Credit
CHE51-153 Principles of General Chemistry or CHE51-143 Principles of General Chemistry with Tutorial		

Major Courses:	Grade	Credit
1 (at SU) Inorganic course: CHE51-624 Intermediate Inorganic Chemistry		

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

Capstone (2 options):

CHE51-991 Methods in Lab Research (repeated for total of 2 credits)		
CHE51-912 Chem. Lab Capstone (Option1)		
OR		
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 Bio.		

1 (at SU) Biochemistry course:

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

Paideia:

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

CHE51-634 Metals in Medicine		
------------------------------	--	--

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. Mech.		

Required B.S. Core Support: *Must take Calculus I and***

Electives:

	Grade	Credit

Total credits w/gen ed:

***Minimum of 127 credits required.*