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

ID:
Name:
Major: Biochemistry

Update:
Advisor:
Catalog: 2014-2015 **≈ Degree**

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

Course	Grade	Credit
Humanities: 2 courses, may be same dept.:		

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	
MAT52-154		
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, 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.

BIOCHEMISTRY MAJOR (BS)

Major Courses:	Grade	Credit
CHE51-153 Principles of General Chemistry		
CHE51-151 Chemical Methods and Techniques Lab		

Major Courses:	Grade	Credit
Upper-level BIO w/ lab in Cellular/Molecular area		

CHE51-163/-161 Chemical Kinetics & Equilibrium		
CHE51-822 Chemistry Literature Seminar		

Capstone (2 options):

CHE51-991 Methods in Laborary Research (repeated for total of two credits) AND		
CHE51-912 Chem. Lab Capstone (Option1)		
OR		
CHE51-922 Senior Sem Capstone (Option2)		

The following courses taken at SU:

CHE51-543/-541 Organic Chemistry I		
CHE51-553/-561 Organic Chemistry II for Majors		
CHE51-564 General Biochemistry I for Majors		
CHE51-584 General Biochemistry II		

1 course from:

CHE51-634 Metals in Medicine		
CHE51-644 Instrumentation in Environmental & Bio.		
CHE51-714 Physical Chemistry: Thermodynamics & Kinetics		

CHE51-682 Advanced Topics in Biochemistry or CHE51-604 Pharmaceutical Chemistry		
BIO50-232 Methods in Cell/Mol Bio		

Electives:	**Grade**	**Credit**

Paideia:

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

Total credits w/gen ed:

***Minimum of 127 credits required.*