

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

ID: _____
Name: _____
Major: Biochemistry

Update: _____
Advisor: _____
Catalog: 2015-2016
Anticipated Degree Completion: _____

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

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
Natural Sciences:		
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
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**

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

CHE51-153 Principles of General Chemistry		
CHE51-151 Chemical Methods and Techniques Lab		
CHE51-163/-161 Chemical Kinetics & Equilibrium		
CHE51-822 Chemistry Literature Seminar		

Capstone (2 options):

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		

1 course from:

CHE51-684 Advanced Topics in Biochemistry		
CHE51-604 Pharmaceutical Chemistry		
BIO50-694 Biochemistry of Nucleic Acids		

BIO50-232 Methods in Cellular/Molecular Biology		
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Upper-level BIO w/ lab in Cellular/Molecular area		
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* CHE51-564, CHE51-584 and at least 1 from CHE51-543/553 must be taken a SU.

Paideia:

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

Total credits w/gen ed:

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