

BACHELOR OF SCIENCE IN BIOLOGY

Stu ID: _____
Name: _____
Major: Biology - BS
Minor: _____

Date: _____
Advisor: _____
Catalog: 2017-2018
Ant Grad: _____

Major Courses

12 Courses; Min 30 total credits required; 22 credits must be from SU

BIO50-123	Living Systems		
BIO50-121	Investigation into Living Systems		
BIO50-133	Molecular & Population Genetics		
BIO50-131	Investigation in Genetics		
BIO50-222	Methods in Ecol/Evol Biology		
BIO50-232	Methods in Cell/Mol Biology		

Biology Capstone Seminar

Select one of the two following options:

BIO50-97X	Research in Biology (3 total credits reqd)		
BIO50-991	Biology Capstone Seminar		

or

BIO50-994	Research in Biology		
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Five BIO courses - 300+ level (3 of 5 must have labs)

One advanced cellular/molecular course:

BIO50-XXX			
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One advanced ecology/evolution course:

BIO50-XXX			
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Three additional courses (4 credits each) at 300-level or higher

BIO50-XX4			
BIO50-XX4			
BIO50-XX4			

*Four credits of research may substitute for one of the lab courses

Required Supporting Courses:

		Grade	Credit
CHE51-543	Organic Chemistry I		
CHE51-541	Organic Chemistry I Lab		
CHE51-553	Organic Chemistry II		
CHE51-551	Organic Chemistry II Lab		
MAT52-114	Introduction to Statistics		

B.S. Core Courses:

BIO50-123	Living Systems	MAJOR	0
BIO50-121	Investigation into Living Systems	MAJOR	0
BIO50-133	Molecular and Population Genetics	MAJOR	0
BIO50-131	Investigation into Genetics	MAJOR	0
CHE51-153 or 143	Principles of General Chemistry		
CHE51-151 or 141	Chemical Methods and Techniques Lab		
CHE51-163	Chemical Kinetics & Equilibrium		
CHE51-161	Chemical Kinetics & Equilibrium Lab		
MAT52-154	Calculus I		
PHY53-154	Fundamentals of Physics I		
PHY53-164	Fundamentals of Physics II		

Select one from the following:

MAT52-114	Introduction to Statistics	SC	0
MAT52-254	Calculus II		
CSC54-184	Computer Science I		

GENERAL EDUCATION REQUIREMENTS

At least 30 total credits required, minimum 3 credits required per course

General Education Part I

First Year/Adv. Entry Seminar:

UST05-014 or UST05-214			
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Foreign Language (3 sem.)

Social Justice Course (may double count with any requirement):

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2 different FRAs:

Total Earned Credits:	0
Total Southwestern Credits:	
Total Major Credits:	0
Total Gen Ed Credits:	0

Exploration & Breadth - GE Part II

Six total courses

BIO major and elective courses cannot be used to satisfy Exploration & Breadth requirements.

Select one course from each of the four following areas:

Humanities:

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Natural Sciences:

MAT52-114	Introduction to Statistics	SC	0
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Social Sciences:

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Fine Arts:

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Select two additional courses from the four areas listed above.

Courses must be from different areas and from different subjects from above courses:

*Public Speaking, College Writing and Creative Writing courses may not count in Exploration & Breadth

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). 60% of the major credits and 12 minor credits must be completed in residence at SU. 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.

Graduation Requirements:

Minimum of 127 credits: _____
 Cumulative GPA > 2.0 _____
 GPA > 2.0 for Major, Minor and/or Areas of Concentration _____
 Less than C- grade in major/minor/core? _____
 At least 64 credits completed at Southwestern* _____
 No more than 56 credits of any 5 digit prefix** _____
 Major credits completed (min 30 required) _____

Notes:

60% of Major courses completed at Southwestern _____
50% of Major courses are upper level _____

Minor (optional):
Minimum 18 credits _____
Minimum 12 upper level credits _____
Minimum of 12 credits taken at Southwestern _____
Minimum 2.0 minor courses CGPA _____

Other:
Degree Audit Completed (Due one year before grad date) _____
Grad Application Submitted (Due start of final semester) _____