

Bachelor of Science Biology (2021-2023)

Student name: _____

Major Courses

12-13 courses; 22 credits must be from SU
Must earn a C- or better in all major courses.

Course	Course Name	Grade	Credit
Take the following introductory courses:			
BIO50-121	Investigation into Living Systems	_____	_____
BIO50-123	Living Systems	_____	_____
BIO50-131	Investigation in Genetics	_____	_____
BIO50-133	Molecular & Population Genetics	_____	_____
Take the following intermediate courses:			
BIO50-222	Methods in Ecology/Evolutionary Biology	_____	_____
BIO50-232	Methods in Cellular/Molecular Biology	_____	_____
Select one advanced cellular/molecular course from the following:			
BIO50-304	Special Topics (w/ permission of Dept Chair)	_____	_____
BIO50-394	Developmental Biology (lab)		
BIO50-404	Cancer Biology (no lab)		
BIO50-464	Molecular Biology (lab)		
BIO50-484	Microbiology (lab)		
BIO50-494	Biology of Reproduction (no lab)		
BIO50-514	Cellular Physiology (lab)		
BIO50-534	Fundamentals of Immunology (no lab)		
CHE51-604	Principles of Biochemistry (no lab)**		
CHE51-624	General Biochemistry II (no lab)**		
**Must add separate lab course to make it a course w/ lab option.			
Select one advanced ecology/evolution course from the following:			
BIO50-304	Special Topics (w/ permission of Dept Chair)	_____	_____
BIO50-314	Genetics (lab)		
BIO50-334	Evolutionary Biology (no lab)		
BIO50-374	Human Genetics and Evolution (no lab)		
BIO50-384	Conservation Biology (no lab)		
BIO50-434	Ecology (lab)		
BIO50-444	Invertebrate Ecology (lab)		
BIO50-474	Genetics, Genomics and Medicine (lab)		
Select three additional Biology courses (4 credits each) at 300-level or higher:			
BIO50-		_____	_____
BIO50-		_____	_____
BIO50-		_____	_____
Completed 3 Biology courses w/ labs (300+ level, Capstone not included)			
Select one of the two following Capstone options:			
BIO50-971/2	Research in Biology (3 total credits reqd)	_____	_____
BIO50-991	Biology Capstone Seminar		
or			
BIO50-994	Biology Capstone Seminar		

Total number of credits counting in the major (30 credit minimum required): _____

Required Supporting Courses:

Courses in this section are not counted in the 30 credit minimum for the major.

Courses in this section may be used in the Exploration and Breadth section.

		Grade	Credit
CHE51-103/101	General Chemistry I/Chemical Methods and Techniques Lab I	_____	_____
CHE51-203/201	General Chemistry II/Chemical Methods and Techniques Lab II	_____	_____
CHE51-314	Organic Chemistry I	_____	_____
MAT52-114	Introduction to Statistics	_____	_____
MAT52-164	Modern Calculus I	_____	_____

PHY53-154	Fundamentals of Physics I	_____	_____
PHY53-164	Fundamentals of Physics II	_____	_____
Take one additional course outside of Biology in the natural sciences		_____	_____

Total number of credits from required supporting courses: _____

General Education Requirements

<i>Part I</i>		Grade	Credit
UST05-014/214	First Year or Advanced Entry Seminar	_____	_____
	Semester #1 of Foreign Language:	_____	_____
	Semester #2 of Foreign Language:	_____	_____
	Semester #3 of Foreign Language:	_____	_____
	Social Justice course:	_____	_____
FRA47-	Fitness/Recreational Activity course #1:	_____	_____
FRA47-	Fitness/Recreational Activity course #2: (must be different from FRA topic #1)	_____	_____
<i>Part II</i>			
<i>Exploration and Breadth - 6 courses</i>			
BIO50-XXX courses cannot be used to satisfy E&B requirements. Additionally, any other course contributing to Biology which is used to satisfy a Biology major requirement cannot be used in the E&B section.			
*Public Speaking, College Writing & Creative Writing courses cannot count in E&B.			
		Grade	Credit
	Take one Humanities course:	_____	_____
	Take one Natural Science course:	_____	_____
	Take one Social Science course:	_____	_____
	Take one Fine Arts course:	_____	_____
Take one additional course from two of the four areas listed above. Neither course may come from the department (3 digit prefix) used in the four areas above. EX: If you took PSY33-104 Principles of Psychology as a social science, you may not select another PSY course in the below section.			
		Grade	Credit
	Course #1:	_____	_____
	Course #2:	_____	_____

Total number of credits counting only in the Gen Ed section (30 credit minimum required): _____

University electives

	Grade	Credit
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

Total number of university electives/minor credits: _____

Total number of credits from a minor (use minor template to determine correct credit count). Enter credit amount here: _____

*Minors are optional.

Total number of earned credits counting in major, general education and university elective/minor areas:

University Graduation Requirements:

Students must earn a minimum of 127 earned credits to earn a Bachelor's degree; a minimum of 157 credits is required for dual degrees.

Cumulative GPA must be greater than a 2.0.

Major/Area of Concentration must have a GPA > 2.0.

All grades in a major/minor/core/required supporting courses/certification areas must be a C- or higher . Some majors/minors require higher grades.

At least 64 credits must be completed at Southwestern.

No more than 56 credits may be earned from any 5 digit prefix (except Art, Education and Theatre majors). See catalog for full rules.

60% of Major courses must be completed at Southwestern.

Majors must have a minimum of 30 credits.

General Education area must have a minimum of 30 credits.

No transfer credits taken outside of SU in final 32 credit hours without approval from the Registrar's Office (except for an approved Study Abroad program).
from total earned credit.

A limit of 1 FRA may be taken as a university elective and counted towards graduation requirements. Any additional FRAs, taken as university electives, will be deducted from total earned credit.