BIOLOGY - BACHELOR OF SCIENCE

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1220G College Algebra and ENGL 1110G Composition I. The contents and order of this roadmap may vary depending on initial student placement in mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

First Year

Semester 1		**Credits**
MATH 1220G	College Algebra [1]	3
BIOL 2610G	Principles of Biology: Biodiversity, Ecology, and Evolution [1]	3
BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory [1]	1
ENGL 1110G	Composition I [1]	4
Area IV: Social and Behavioral Science Course [2]		3
Elective Course		1
	Credits	**15**
Semester 2		
MATH 1250G	Trigonometry & Pre-Calculus [1]	4
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors [1]	4
CHEM 1121	General Supplemental Instruction I	1
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
Choose from one of the following Area I General Education Courses:		3
COMM 1115G	Introduction to Communication	
HNRS 2175G	Introduction to Communication Honors	
ACOM 1130G	Effective Leadership and Communication in Agriculture	
	Credits	**16**

Second Year

Semester 1		
MATH 1511G	Calculus and Analytic Geometry I [1]	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors [1]	4
CHEM 1122	General Supplemental Instruction II	1
ENGL 2210G	Professional and Technical Communication Honors	3
BIOL 305	Principles of Genetics	3
	Credits	**15**
Semester 2		
BIOL 377	Cell Biology [1]	3
Upper-division Biology Elective Course [1]		3
Area V: Humanities Course [2]		3
Area VI: Creative and Fine Arts Course [2]		3
First Second Language Course in Series		3-4
	Credits	**15-16**

Third Year

Semester 1		
CHEM 313	Organic Chemistry I [1]	3
CHEM 303	Organic Supplemental Instruction I	1
PHYS 2230G & PHYS 2230L	General Physics for Life Science I and Laboratory to General Physics for Life Science I [1]	4
Second Second Language Course in Series [1]		3-4
VWW: Viewing a Wider World Course [3]		3
Elective Course		1
	Credits	**15-16**
Semester 2		
PHYS 2240G & PHYS 2240L	General Physics for Life Science II and Laboratory to General Physics for Life Science II [1]	4
CHEM 314 & CHEM 315	Organic Chemistry II and Organic Chemistry Laboratory [1]	5
CHEM 304	Organic Supplemental Instruction II	1
Choose from one of the following:		3
BIOL 455	Biometry [1]	
A ST 311	Statistical Applications [1]	
Upper-division Biology Elective Course [1]		3
	Credits	**16**

Fourth Year

Semester 1		
BCHE 395	Biochemistry I	3
BIOL 301	Principles of Ecology	3
Upper-division Biology Elective Course [1]		3
Upper-division Biology Elective Course [1]		3
VWW: Viewing a Wider World Course [3]		3
	Credits	**15**
Semester 2		
BIOL 467	Evolution	3
Upper-division Biology Elective Course [1]		3
Upper-division Biology Elective Course [1]		3
Additional Elective Course		4
	Credits	**13**
	Total Credits	**120-122**

1. These courses have prerequisites and it is the students responsibility for checking and fulfilling all course prerequisites listed for these courses.
2. See the General Education (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/) section of the catalog for a full list of courses.
3. See the Viewing a Wider World (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext) section of the catalog for a full list of courses.