BIOLOGY - BACHELOR OF ARTS

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
ENGL 1110G or ENGL 1110H	Composition I [1] or Composition I Honors	4
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory [1]	4
Area IV: Social and Behavioral Science Course [2]		3
Elective Course		3
	Credits	**17**
Semester 2		
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors [1]	4
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:		3-4
MATH 1430G	Applications of Calculus I [1]	
MATH 1511G or MATH 1511H	Calculus and Analytic Geometry I or Calculus and Analytic Geometry I Honors	
Choose from one of the following Area I Oral Communication General Education Courses:		3
COMM 1115G	Introduction to Communication	
HNRS 2175G	Introduction to Communication Honors	
ACOM 1130G	Effective Leadership and Communication in Agriculture	
	Credits	**14-15**

Second Year

Semester 1		
ENGL 2210G or ENGL 2210H	Professional and Technical Communication or Professional and Technical Communication	3
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors [1]	4
BIOL 305	Principles of Genetics [1]	3
Elective Course [3]		5
	Credits	**15**
Semester 2		
BIOL 377	Cell Biology [1]	3
First Course in Second Language Series		3-4
Upper-division Biology Elective Course [1]		3
Area VI: Creative and Fine Arts Course [2]		3
Area V: Humanities Course [2]		3
	Credits	**15-16**

Third Year

Semester 1		
CHEM 313	Organic Chemistry I [1]	3
Upper-division Biology Elective Course [1]		3
Next Second Language Course in Series [1]		3-4
VWW: Viewing a Wider World Course [4]		3
Elective Course [3]		2
	Credits	**14-15**
Semester 2		
CHEM 314	Organic Chemistry II	3
CHEM 315	Organic Chemistry Laboratory	2
Upper-division Biology Elective Course [1]		3
Science Elective Course with prefix ASTR, C S, GEOL or PHYS		4
Elective Course [3]		3
	Credits	**15**

Fourth Year

Semester 1		
BIOL 301	Principles of Ecology [1]	3
Upper-division Biology Elective Course [1]		3
VWW: Viewing a Wider World Course [4]		3
Upper-division Elective Course [3]		3
Upper-division Elective Course [3]		3
	Credits	**15**
Semester 2		
BIOL 467	Evolution	3
Upper-division Elective Course [1]		3
Elective Course [3]		4
Elective Course [3]		4
	Credits	**14**
	Total Credits	**119-122**

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. Elective credit may vary depending on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The elective credit in the requirement list is the amount needed to bring the total to 120 credits and may vary based on the degree. Students may need to complete more or less courses on a case-by-case basis and each student should discuss this with their advisor.
4. 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.