BIOLOGY (SECONDARY EDUCATION) - 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**
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory [1]	4
ENGL 1110G or ENGL 1110H	Composition I [1] or Composition I Honors	4
MATH 1220G	College Algebra [1]	3
Area IV: Social and Behavioral Science Course [2]		3
Area VI: Creative and Fine Arts Course [2]		3
	Credits	**17**
Semester 2		
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors [1]	4
Choose from one of the following:		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	**15**
Second Year		
Semester 1		
ENGL 2210G or ENGL 2210H	Professional and Technical Communication or Professional and Technical Communication	3
BIOL 305	Principles of Genetics [1]	3
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors [1]	4
Choose electives to bring credits to 15. [3]		4
	Credits	**14**
Semester 2		
BIOL 377	Cell Biology [1]	3
Upper-division Biology Elective Course [1]		3
EDUC 3120	Multicultural Education	3
First Course in Second Language Series		4
Area V: Humanities Course [2]		3
	Credits	**16**
Third Year		
Semester 1		
Upper-division Biology Elective Course [1]		3
SPED 3105	Introduction to Special Education in a Diverse Society	3
CHEM 2120	Integrated Organic Chemistry and Biochemistry	3
CHEM 2120L	Integrated Organic Chemistry and Biochemistry Lab	1
Next Second Language Course in Series [1]		3-4
Choose electives to bring credits to 15. [3]		2
	Credits	**15-16**
Semester 2		
BIOL 301	Principles of Ecology	3
Upper-division Biology Elective Course [1]		3
Upper-division Biology Elective Course [1]		3
EDUC 3997	Secondary Field Experience	3
Viewing A Wider World [4]		3
	Credits	**15**
Fourth Year		
Semester 1		
BIOL 467	Evolution	3
EDUC 4410	Teaching Science at the Middle and High School Level [5]	3
READ 4330	Content Area Literacy [5]	3
Science elective course with prefix ASTR, CSCI, GEOL, or PHYS.		3
Choose elective courses to bring credits to 15. [3]		4
	Credits	**16**
Semester 2		
EDUC 4820	Secondary Student Teaching [6]	9
EDUC 4821	Middle and High School Student Teaching Seminar [6]	3
The 15 credit rule to qualify for financial aid is waived during the final student teaching semester.		
	Credits	**12**
	Total Credits	**120-121**

1. These courses have prerequisites or co-requisites and it is the student's responsibility for checking and fulfilling all course requirements 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.
5. Course requires TEP admittance.
6. Course requires STEP admittance.