

BIOLOGY MAJOR – BA TRACK – 32 HOURS
 This information is effective for the **FALL 2021** catalog

All course in Biology and supportive courses must be completed with a minimum grade of C or higher.

Note: In order to fulfill the 50% major residency requirement, at least 16 credit hours of biology major coursework must be completed at UNM. (Course numbers in parentheses denote former course numberings.)

1: Complete the 4-course introductory sequence:

Introductory Courses	Course Name	Credit Hours	Pre/Co-Requisites
BIOL 2110C (201L)	Principles of Biology: Cellular and Molecular	4	Prerequisite: CHEM 1215/1215L (121 & 123L)
BIOL 2410C (202L)	Principles of Biology: Genetics	4	Prerequisites: CHEM 1215/1215L (121 & 123L) and BIOL 2110C (201L) <i>Pre or Co-requisite:</i> CHEM 1225/1225L (122 & 124L)
BIOL 303 & 303L	Ecology & Evolution	4 (3/1)	Prerequisites: CHEM 1225/1225L (122 & 124L) and BIOL 2410C (202L) <i>Pre or Co-requisite:</i> MATH 1430 (180) OR MATH 1512 (162)
BIOL 304 & 304L	Plant & Animal Form & Function	4 (3/1)	Prerequisites: CHEM 1225/1225L (122 & 124L) and BIOL 303 & 303L <i>Pre or Co-requisite:</i> MATH 1430 (180) OR MATH 1512 (162)

2: Complete TWO (2) 300-level/400-level biology courses: (Prerequisites vary; check catalog. BIOL 400, BIOL 402, BIOL 499 cannot count toward this requirement.)

Courses	Credit hours

3: Complete additional biology major elective courses so that the total number of biology hours totals at least 32.

Courses	Credit hours

The following courses **cannot be applied toward biology elective hours:** BIOL 1110 (110), BIOL 1110L (112L), BIOL 1140 (123), BIOL 1140L (124L) and BIOL 2305 (239L).

Up to 4 credit hours of BIOL 402 may be applied toward the biology major.

Up to 4 credit hours of BIOL 400 may be applied toward the biology major.

Up to 2 credit hours of BIOL 499 may be applied toward the biology major.

BIOC 423 may be used toward the biology elective hours **ONLY** if it is not being used toward the chemistry minor.

Supportive Courses

MATH

MATH 1430 (180) Applications of Calculus I <i>Pre-Requisite: Math 1220</i>	AND	MATH 1440 (181) Applications of Calculus II <i>Pre-Requisite: Math 1430</i>
OR		OR
		MATH 1522 (163) Calculus II <i>Pre-Requisite: Math 1512</i>
		OR
		MATH 1350 (STAT 145) Introduction to Statistics
		OR
MATH 1512 (162) Calculus I <i>Pre-Requisite: Math 1230 & 1240 or Math 1250</i>	BCIS 1110 (CS 150L) Introduction to Information Systems	

PHYSICS

PHYS 1230 (PHYC 151)	Algebra-Based Physics I <i>Pre-Requisite: Math 1430 or Math 1512</i>	OR	PHYS 1310 (PHYC 160)	Calculus-Based Physics I <i>Pre-Requisite: Math 1512</i>	OR	PHYS 1115L (PHYC 102L)	Survey of Physics
AND			AND			AND	
PHYS 1240 (PHYC 152)	Algebra-Based Physics II <i>Pre-Requisite: PHYS 1230</i>		PHYS 1320 (PHYC 161)	General Physics II <i>Pre-Requisite: PHYS 1310</i>		GEOL 1110 (EPS 101)	Physical Geology

CHEMISTRY

Chem 1215/1215L (121 & 123L)	General Chemistry I w/lab for STEM <i>Pre-Requisite: Math 1220</i>			
Chem 1225/1225L (122 & 124L)	General Chemistry II w/lab for STEM <i>Pre-Requisite: Chem 1215/1215L</i>			
Chem 301/303L	Organic Chemistry I w/lab <i>Pre-Requisite: Chem 1225/1225L</i>	OR	Chem 2120 (212)	Integrated Organic Chemistry & Biochemistry <i>Pre-Requisite: Chem 1225/1225L</i>

Updated 6/30/2021