

BIOLOGY MAJOR – BA TRACK – 32 HOURS
 This information is effective for the **FALL 2022** 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	Prerequisites: MATH 1220 or MATH 1240 or MATH 1250 or MATH 1430 or MATH 1512 <i>Pre or Co-requisite:</i> 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), BIOL 1310 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>	
MATH 1512 (162) Calculus I <i>Pre-Requisite: Math 1230 & 1240 or Math 1250</i>		OR	MATH 1350 (STAT 145) Introduction to Statistics
		OR	OR
		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 7/26/2022