

WESTERN NEW MEXICO UNIVERSITY

Degree Plan - Biology Major (0401)

Department of Natural Sciences

Student Name: _____ ID: _____ Tel #: _____ Degree Type

Address: _____ Email: _____ ☐ BS

(complete - incl street, city, state, zip) _____ ☐ BA

Catalog Authority: 2019-20 Expected Completion: _____ Advisor: _____

Deadline for Application for Graduation; June 1st for Fall; September 1st for Spring; February 1st for Summer.

GENERAL EDUCATION REQUIREMENTS (31)

Applied Liberal Arts and Sciences (9)

	Sem/Year	Grade
ALAS 1810 Applied Liberal Arts & Sciences - Humanities	(3)	_____
ALAS 1820 Applied Liberal Arts & Sciences - Social/ Behav Sciences	(3)	_____
ALAS 1830 Applied Liberal Arts & Sciences - STEM	(3)	_____

Area I - Communications (6) ¹ **ENGL 1110 Pre-requisite/Co-reg**

Course(Credits)	Sem/Year	Grade
ENGL 1120 Composition II ¹		
COMM 1130 Public Speaking		
COMM 1140 Intro to Media Writing		
COMM 2140 Small Group Communication		
Course: _____ (3)		
Course: _____ (3)		

Area II - Mathematics (3-5) ² **BCIS 1110 is Pre-requisite/Co-reg**

MATH 1010 Mathematics for School Teachers		
MATH 1130 Survey of Mathematics ²		
MATH 1220 College Algebra ²		
MATH 1350 Intro to Statistics ²		
MATH 1510 Calculus I ²		
Course: _____ ()		

Area III - Science (4)

Pick **one** course (plus lab) from the following:

BIOL 1110/1110L General Biology & Lab		
BIOL 1140/1140L5 Biology for Health Sciences & Lab		
BIOL 2110/2110L Principles of Biology: Cell/Molecular & Lab		
BIOL 2210/2210L Human Anatomy & Physiology I & Lab		
BIOL 2642/2642L Plant Form, Function and Diversity & Lab		
BIOL 2644/2644L Animal Form, Function and Diversity & Lab		
CHEM 1120/1120L Intro to Chemistry & Lab		
CHEM 1215/1215L General Chemistry I for STEM Majors & Lab		
GEOL 1110/1110L Physical Geology & Lab		
GEOL 1120/1120/L Environmental Geology & Lab		
GEOL 2110/2110L Historical Geology & Lab		
PHSC 1120/1120L Forensic Science I & Lab		
Course: _____ (4)		

BS Requirement (6)

MATH 1350 Intro to Statistics, plus one CMPS course beyond Gen'l. Ed **or** GISS/GEOL 361/363 Intro to GIS

MATH 1350 Intro to Statistics	(3)	_____
Course: _____ ()		

Area IV - Social and Behavioral Sciences (3)

ANTH 1140 Intro to Cultural Anthropology		
ECON 1110 Survey of Economics		
ECON 2110 Macroeconomic Principles		
ECON 2120 Microeconomic Principles		
GEOG 1120 World Regional Geography		
GEOG 1130 Human Geography		
POLS 1110 Intro to Political Science		
POLS 1120 American National Government		
PSYC 1110 Intro to Psychology		
SOCI 1110 Intro to Sociology		
SOCI 2310 Contemporary Social Problems		
Course: _____ (3)		

Area V - Humanities (3)

ENGL 1410 Intro to Literature		
ENGL 2310 Intro to Creative Writing		
HIST 1110 United States History I		
HIST 1120 United States History II		
HIST 1150 Western Civilization I		
HIST 1160 Western Civilization II		
PHIL 1115 Intro to Philosophy		
Course: _____ (3)		

Area VI - Creative & Fine Arts (3-4)

ARTS 1250 Design II		
ARTS 1410 Intro to Photography		
ARTS 1610 Drawing I		
ARTS 1630 Painting I		
ARTS 2321 Appreciation of Clay		
ARTS 2841 Appreciation of Sculpture		
MUSC 1130 Music Appreciation		
Course: _____ ()		

OR

BA Requirement (minimum of 3)

Complete any upper division Spanish course, or one of the following: SPAN 2120, BLED 431 or CLEP for four semesters of Spanish.

Course: _____ (3)		
Course: _____ (3)		

Degree Plan - Biology Major

SUPPORTING COURSEWORK (8 credit hours)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
CHEM 1215/1215L Gen Chem I* (4)			CHEM 1225/1225L Gen Chem II* (4)		
Chemistry 1215 and 1225 are required unless incl. in minor					

LIFE SCIENCE CORE REQUIREMENTS (23 credit hours)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
BIOL 2642/2642L Plant FFD* (4)			BIOL 301/303 Ecology (4)		
BIOL 2644/2644L Animal FFD* (4)			BIOL 366/368 Genetics (4)		
BIOL 2110/2110L Princ Biol: Cell B(4)			BIOL 422 Evolution (3)		

*May count as General Education Lab Science.

BIOLOGY MAJOR REQUIREMENTS (30 credit hours)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
BIOL 310/312 Invertebr Zoology (4)			BIOL 360/362 Cell Biology (4)		
BIOL 311/313 Vertebrt Zoology (4)			Pick <u>one</u> group specific course: BIOL 415/417 Ichthyology		
BIOL 331/333 Biol of Algae <u>or</u> BIOL 332/334 Evol/Div Plants			<u>or</u> BIOL 442/443 Ornithology <u>or</u> BIOL 448/449 Herpetology		
Course: (4)			<u>or</u> BIOL 451/453 Mammalogy <u>or</u> BIOL 457/459 Entomology		
BIOL 322/324 Dendrology <u>or</u> BIOL 351/353 Plant Taxonomy			Course: (4)		
Course: (4)			BIOL 471/473 Mjrs Microbiology (4)		
			BIOL 486 Senior Project (2)		

MINOR DEGREE COURSES (18-24 hours outside the Biology discipline)

Minor: _____ Number of Credits: _____
(attach degree plan worksheet for your minor, with course details)

ADDITIONAL COURSES (to fulfill the 120 hour requirement)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
Course: ()			Course: ()		
Course: ()			Course: ()		
Course: ()			Course: ()		
Course: ()			Course: ()		
Course: ()			Course: ()		

Service Learning 3 credits: _____ Sem/Year: _____ Grade: _____

Upper Division Hours (42 minimum): _____ Writing Intensive Hours (9 minimum): _____

Total Hours (120 minimum required): _____ Copy to Registrar: _____ date: _____

Original completed on (date): _____ Grad. Audit sent: _____ date: _____

Updated: _____

Student Signature: _____ date: _____

Advisor Signature: _____ date: _____