

WESTERN NEW MEXICO UNIVERSITY
Degree Plan - Botany Major (0402)
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)

	<u>Sem/Year</u>	<u>Grade</u>
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) _____	_____

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
Area I - Communications (6) ¹ ENGL 1110 Pre-requisite/Co-req		
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-req		
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: _____ () _____

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
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 - Botany 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 22644/2644L Animal FFD* (4)	_____	_____	BIOL 366/368 Genetics (4)	_____	_____
BIOL 2110/2110L Princ Biol:Cell I(4)	_____	_____	BIOL 422 Evolution (3)	_____	_____

*May count as General Education Lab Science.

BOTANY 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 322/324 Dendrology or BIOL 425/427 Range Vegetation	_____	_____	BIOL 410/412 Plant Physiology (4)	_____	_____
Course: _____ (4)	_____	_____	BIOL 471/473 Mjrs Microbiol (4)	_____	_____
BIOL 331/333 Biol of Algae (4)	_____	_____	BIOL 486 Senior Project (2)	_____	_____
BIOL 332/334 Evol/Divrs Plants (4)	_____	_____	4 credits of advisor approved Upper Division BIOL electives		
BIOL 351/353 Plant Taxonomy (4)	_____	_____	Course: _____ ()	_____	_____

MINOR DEGREE COURSES

(Cell/Molecular Biology or Zoology or a minor outside the Biology discipline)

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

Number of Credits: _____

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: _____