

# 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: 2020-21 Expected Completion: \_\_\_\_\_ Advisor: \_\_\_\_\_

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

### **GENERAL EDUCATION REQUIREMENTS (31)**

**AA or AS earned within New Mexico: YES \_\_\_\_\_ NO \_\_\_\_\_ If earned, then General Education is complete.**

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
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#### **Applied Liberal Arts and Sciences (9)**

ALAS 1810 Humanities	(3)	_____	ALAS 1830 STEM	(3)	_____
ALAS 1820 Social/ Behav Sci.	(3)	_____			

#### **Area I - Communications (6)** <sup>1</sup> ENGL 1110 Pre-requisite/Co-req

ENGL 1120 Composition II <sup>1</sup>	(3)	_____
COMM 1130 Public Speaking		
COMM 1140 Intro to Media Writing		
COMM 2140 Small Group Communication		
Course: _____	(3)	_____

#### **Area II - Mathematics (3-5)** <sup>2</sup> BCIS 1110 is Pre-requisite/Co-req

MATH 1010 Mathematics for School Teachers		
MATH 1130 Survey of Mathematics <sup>2</sup>		
MATH 1220 College Algebra <sup>2</sup>		
MATH 1350 Intro to Statistics <sup>2</sup>		
MATH 1510 Calculus I <sup>2</sup>		
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 1120/1120L 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 <b>or</b> GISS/GEOG 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, 303, BLED 431  
or CLEP for four semesters of Spanish  
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 (4)	_____	_____	BIOL 422 Evolution (3)	_____	_____

\*May count as General Education Lab Science.

### BOTANY MAJOR REQUIREMENTS (31 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 <b>or</b> 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 483 Intro to Senior Project (2)	_____	_____
BIOL 332/334 Evol/Divrs Plants (4)	_____	_____	BIOL 486 Senior Project (1)	_____	_____
BIOL 351/353 Plant Taxonomy (4)	_____	_____	<b>4 credits of advisor approved Upper Division BIOL electives</b>		
			Course: _____ ( )	_____	_____

### MINOR DEGREE COURSES

(Cell/Molecular Biology or Zoology or a minor 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 credits required:** \_\_\_\_\_ **Copy to Registrar:** \_\_\_\_\_ **date:** \_\_\_\_\_

**Original completed on (date):** \_\_\_\_\_ **Grad. Audit sent:** \_\_\_\_\_ **date:** \_\_\_\_\_

**Updated:** \_\_\_\_\_

**Student Signature:** \_\_\_\_\_ **date:** \_\_\_\_\_

**Advisor Signature:** \_\_\_\_\_ **date:** \_\_\_\_\_