

WESTERN NEW MEXICO UNIVERSITY

Degree Plan - Science Education Major (0824)

Department of Natural Sciences

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

Address: _____ Email: _____ ☐ BS

Catalog Authority: 2020-21 Expected Completion: _____ Advisor: _____ ☐ BA

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.

Course(Credits)

Sem/Year

Grade

Course(Credits)

Sem/Year

Grade

Applied Liberal Arts and Sciences (9)

ALAS 1810 Humanities (3) _____

ALAS 1820 Social/ Behav Sci. (3) _____

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

ENGL 1120 Composition II ¹ (3) _____

COMM 1130 Public Speaking _____

COMM 1140 Intro to Media Writing _____

COMM 2140 Small Group Communication _____

Course: _____ (3) _____

Area II - Mathematics (3-5) ²BCIS 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 1120/1120L Environmental Geology & Lab

GEOL 2110/2110L Historical Geology & Lab

PHSC 1120/1120L Forensic Science I & Lab

Course: _____ (4) _____

ALAS 1830 STEM (3) _____

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: _____ () _____

BS Requirement (6)

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

MATH 1350 Intro to Statistics (3) _____

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 - Science Education Major

SCIENCE EDUCATION CORE (27 credit hours - 8 credits may count as Gen'l Ed Lab Science)

<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)	_____	_____	GEOL 1110/1110L Physical Geolo (4)	_____	_____
BIOL 2644/2644L Animal FFD (4)	_____	_____	GEOL 2110/2110L Historical Geol (4)	_____	_____
CHEM 1215/1215 Gen'l Chemistry (4)	_____	_____	Capstone Course: Methods of Teaching Science		
PHYS 1230/1230L Algebra-based Physics I			BIOL/PHSC/GEOL 450 (3)	_____	_____
or PHYS 1310/1310 Calculus-based Physics I					
Course: _____ (4)	_____	_____			

Select One Concentration from the Four Choices Below

0412 - Life Science (19 credits)

BIOL 2110/2110 Princ Biol: Cell Bi (4)	_____	_____
BIOL 301/303 Ecology (4)	_____	_____
BIOL 366/368 Genetics (4)	_____	_____
BIOL 422 Evolution (3)	_____	_____
Upper Div BIOD	(4)	_____

0405 - Physical Science (21-22 credits)

CHEM 1225/1225L Gen Chem II* (4)	_____	_____
PHYS 1240/1240L Algebra-based Physics II		
or PHYS 1320/1320L Calculus-based Physics II		
Course: _____ (4)	_____	_____
CHEM 351/353 Organic Chem I (5)	_____	_____
CHEM 352/354 Organic Chem II (5)	_____	_____
Upper Div CHEM (3-4)	_____	_____

1903 - Earth & Space Science (19 credits)

GEOL 301/303 Rock & Minerals (4)	_____	_____
GEOL 2130/307 Intro to Meteor (4)	_____	_____
GEOL 2140 Geology of NM (3)	_____	_____
ASTR 1115/115L Introduction to (4)	_____	_____
Upper Div GEOI	(4)	_____

1901 - General Science (18-20 credits)

BIOL 2110/2110L Princ Biol: Cell I (4)	_____	_____
GEOL 301/303 Rocks & Minerals (4)	_____	_____
CHEM 1225/1225L Gen Chem II* (4)	_____	_____
Upper Div BIOD (3-4)	_____	_____
Upper Div Phys Sci: (3-4)	_____	_____

MINOR DEGREE COURSES (18-24 hours outside the major 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 credits required: _____ Copy to Registrar: date: _____

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

Updated: _____

Student Signature: _____ date: _____

Advisor Signature: _____ date: _____