

WESTERN NEW MEXICO UNIVERSITY

Degree Plan -Elementary Education (0802) & Science Education (0804)

Choice of 4 concentrations: Life Science (0412) Physical Science (0405) Earth & Space Science (1903) or General Science (1901)

School of Education & Department of Natural Sciences

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

Address: _____ Email: _____ BS
(complete - including street, city, state, zip)

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

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

Double Major

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)	_____

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
<u>Area I - Communications (6)</u>			<u>Area IV - Social and Behavioral Sciences (3)</u>		

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) _____

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 General Psychology

SOCI 1110 Intro to Sociology

SOCI 2310 Contemporary Social Problems

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 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 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) _____

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 credits)

MATH 2132 Underst Elem Math I (3) _____ MATH 2133 Underst Elem Math II (3) _____

Degree Plan - Double Major in Elementary Education & Science Education

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 Physcl Geolo; (4)	_____	_____
BIOL 2644/2644L Animal FFD (4)	_____	_____	GEOL 2110/2110L Hist Geology (4)	_____	_____
CHEM 1215/1215L Gen'l Chem I (4)	_____	_____	Capstone Course: Methods of Teaching Science		
PHYS 1230/1230L Algebra-based Physics I			BIOL/PHSC/GEOL 450 (3) _____		
or PHYS 1310/1310L Calculus-based Physics I					
Course: _____ (4)	_____	_____			

Select One Concentration from the Four Choices Below

0412 - Life Science (19 credits)

BIOL 2110/2110L Cell Biology (4)	_____	_____
BIOL 301/303 Ecology (4)	_____	_____
BIOL 366/368 Genetics (4)	_____	_____
BIOL 422 Evolution (3)	_____	_____
BIOL: _____ (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 Rocks & Mineral: (4)	_____	_____
GEOL 2130/307 Weather/Climat: (4)	_____	_____
GEOL 2140 Geology of NM (3)	_____	_____
PHSC 115/116 Desc Astronomy (4)	_____	_____
Upper Div GEOL: _____ (4)	_____	_____

1901 - General Science (18-20 credits)

BIOL 2110/2110L Cell Biology (4)	_____	_____
GEOL 301/303 Rocks & Mineral: (4)	_____	_____
CHEM 1225/1225L Gen Chem II (4)	_____	_____
Upper Div BIOL: _____ (3-4)	_____	_____
Upper Div Phys Sci: _____ (3-4)	_____	_____

Elementary Education Professional Core Requirements (47-50 credit hours)

1. Contextual Knowledge (12 credit hours)

BLED 2130 Multicult Education (3)	_____	_____	EDUC 2327 Student Growth/Dev (3)	_____	_____
EDUC 2375 Tech Intgrtn Classrr (3)	_____	_____	SPED 408 Intro Except Child (3)	_____	_____

2. Foundation (3 credit hours)

EDUC 200 Fndtns of Education (3)	_____	_____	NES Essential Academic Skills	Reading Score: _____
Admission to Teacher Ed Program	<input type="checkbox"/> yes			Writing Score: _____
				Math Score: _____

3. Application & Reinforcement (23 credit hours)

BLED 445 ESL Mthd/Cont Lit (3)	_____	_____	EDUC 447 Field Exper Lab (1)	_____	_____
EDUC 447 Field Exper Lab (1)	_____	_____	EDUC 473 Elem Methd/Curr II (3)	_____	_____
EDUC 414 Elem Instr Pln/Asmt (3)	_____	_____	EDUC 2435 The Teaching of Rdg (3)	_____	_____
EDUC 436 Classroom Mgmt (3)	_____	_____	RDG 411 Corrective Reading (3)	_____	_____
EDUC 472 Elem Methd/Curr I (3)	_____	_____			

4. Capstone (10-12 credit hours)

NES Professional Knowledge: Elem	Score: _____	EDUC 492 Pract Teaching Elem (9-11)	_____	_____
NES Content Knowledge	Part I Score: _____	EDUC 496 Pract Teaching Sem (1)	_____	_____
	Part II Score: _____			

Minimum CGPA of 2.75 needed to enter Capstone

Degree Plan - Double Major in Elementary Education & Science Education

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 date: _____ **Grad. Audit sent** date: _____

Updated: _____

Student Signature: _____ date: _____

Advisor Signature: _____ date: _____

Assoc. Dean of SOE Signature: _____ date: _____