

**WESTERN NEW MEXICO UNIVERSITY**  
**Degree Plan - Secondary Education (0803) & Science Education (0824)**  
**School of Education & Department of Natural Sciences**

Student Name: \_\_\_\_\_ ID # \_\_\_\_\_ Tel #: \_\_\_\_\_ Degree Type \_\_\_\_\_

Address: \_\_\_\_\_ Email: \_\_\_\_\_ ☐ BS

(complete - including 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)**

<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)	
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ALAS 1820 Social/ Behav Sci.	(3)				
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**Area I - Communications (6)** <sup>1</sup> ENGL 1110 Pre-requisite/Co-req

ENGL 1120 Composition II <sup>1</sup>	(3)				
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COMM 1130 Public Speaking					
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COMM 1140 Intro to Media Writing					
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COMM 2140 Small Group Communication					
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Course: _____	(3)				
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**Area II - Mathematics (3-5)** <sup>2</sup> BCIS 1110 is Pre-requisite/Co-req

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

GEOG 1110/1110L Physical Geology & Lab

GEOG 1120/1120L Environmental Geology & Lab

GEOG 2110/2110L Historical Geology & Lab

PHSC 1120/1120L Forensic Science I & Lab

Course: _____	(4)				
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**BS Requirement (6)**

EDUC 2375 Tech Intgrtn Classrm (3) plus one other

Math and/or Computer Science course beyond Gen. Ed

including PSYC 2510 Statistical Principles for Psychology,

SOC 323 Social Statistics & GISS/GEOG 361/363 GIS

EDUC 2375 Tech Intgrtn Classrm (3)					
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**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)				
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Course: \_\_\_\_\_ (3) \_\_\_\_\_

## Degree Plan - Double Major in Secondary 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 Physical Geol	(4)	_____
BIOL 2644/2644L Animal FFD	(4)	_____	GEOL 2110/2110L Hist Geology	(4)	_____
CHEM 1215/1215L Gen'l Chem I	(4)	_____			
PHYS 1230/1230L Algebra-based Physics I			Capstone Course: Methods of Teaching Science		
<u>or</u> PHYS 1310/1310L Calculus-based Physics I			BIOL/PHSC/GEOL 450	(3)	_____
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 Chemistry I	(4)	_____
PHYS 1240/1240L Algebra-based Physics II		
<u>or</u> 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 & Minerals	(4)	_____
GEOL 2130/2130L Intro to Meteorol	(4)	_____
GEOL 2140 Geology of NM	(3)	_____
PHSC 115/116 Desc Astronmy	(4)	_____
Upper Div GEOL:	(4)	_____

#### 1901 - General Science (18-20 credits)

BIOL 2110/2110L Cell Biology*	(4)	_____
CHEM 1225/1225L Gen Chem II	(4)	_____
GEOL 301/303 Rocks & Minerals	(4)	_____
Upper Div BIOL:	(3-4)	_____
Upper Div CHEM/GEOL/PHSC/PHYS:		
Course: _____	(3-4)	_____

### Secondary Education Professional Core Requirements (41-44 credits hours)

#### 1. Contextual Knowledge (12 credit hours)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
BLED 2130 Multicult Education	(3)	_____	EDUC 2327 Student Growth/Dev	(3)	_____
EDUC 2375 Tech Intgrtn Classrm	(3)	_____	SPED 408 Intro Except Child	(3)	_____

#### 2. Foundation (3 credit hours)

EDUC 200 Fndtns of Education	(3)	_____	PRAXIS: Core Academic Skills	Reading Score: _____
				Writing Score: _____
				Math Score: _____

Admission to Teacher Ed Program ☐ yes

#### 3. Application & Reinforcement (17 credit hours)

BLED 445 ESL Mthd/Cont Lit	(3)	_____	EDUC 436 Classroom Mgmt	(3)	_____
EDUC 447 Field Exper Lab	(1)	_____	EDUC 474 Classrm Assessmnt	(3)	_____
EDUC 471 Sec. Curric & Instr	(3)	_____	RDG 460 Reading Skills Sec Ed	(3)	_____
EDUC 447 Field Exper Lab	(1)	_____			

#### 4. Capstone (10-12 credit hours)

PRAXIS: Principles of Learning & Teaching	Score: _____	EDUC 494 Practice Teaching (9-11)	_____
PRAXIS: General Science	Score: _____	EDUC 496 Practice Teaching Sem	(1) _____

Minimum CGPA of 2.75 needed to enter Capstone



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**Degree Plan - Double Major in Secondary Education & Science Education**

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