

**WESTERN NEW MEXICO UNIVERSITY**  
**Degree Plan - Science Education Major (0824)**  
**Department of Natural Sciences**

Student Name: \_\_\_\_\_ ID \_\_\_\_\_ Tel #: \_\_\_\_\_ Degree Type \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_ ☐ BS  
 (complete - incl street, city, state, zip) \_\_\_\_\_ ☐ BA  
 Catalog Authority: 2016-17 Expected Completion \_\_\_\_\_ Advisor: \_\_\_\_\_

**GENERAL EDUCATION REQUIREMENTS (41)\***

**Area I - Oral Communications (3)**

Pick one of the following: COMM 110, THR 250

Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 or Transfer: TGE (COMM 175)

**Area I - Written Communications (6)**

ENGL 101 Comp & Rhetoric I (3) \_\_\_\_\_  
 ENGL 102 Comp & Rhetoric II (3) \_\_\_\_\_  
 or Transfer: TGE (ENGL 175) for ENGL 102 only

**Area II - Mathematics (3)**

MATH 105, 106, 121, 131, 132 or 171  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_  
 or Transfer: TGE (MATH 175)

**Area III - Laboratory Science (8)** (see page 2)

Two courses (including lab) from the major core requirements  
 will fulfill the General Education laboratory science requirement.

Course: \_\_\_\_\_ (4) \_\_\_\_\_  
 Course: \_\_\_\_\_ (4) \_\_\_\_\_  
 or TGE (BIOL 175, CHEM 175, GEOL 175, PHSC 175, PHYS 175)

**Area IV - Social and Behavioral Sciences (6-9) \*\***

Pick 2-3 courses from different groups of the following:

- 1) ANTH 201, 202, 212/214; GEOG 201, 202, 205  
 2) ECON 200, 201, 202 3) POLS 201, 202  
 4) PSY 102 5) SOC 101, 102, BSAD 100, CJUS 111, SWK 101

Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 or Transfer TGE (ANTH 175, ECON 175, GEOG 175, POLS 175,  
 PSY 175, SOC 175)

**BS Requirement (6)**

MATH 321 Statistics, plus one CMPS course beyond Gen'l. Ed  
 or BIOL/GEOG 361/363 Intro to GIS

MATH 321 Statistics (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_

**OR**

**BA Requirement (minimum of 3)**

Completion of one of the following: SPAN 202, SPAN 252,  
 SPAN 214 or any upper level Spanish course.

Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_

**Area V - Humanities and Fine Arts (9-12) \*\***

Pick 3-4 courses from at least 3 separate categories below:

**1) History** HIST 111, 112, 201, 202

Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 or Transfer: TGE (HIST 175)

**2) Literature** ENGL 150, 200, 205, 225, 293  
 ENGL 294, 296, 297; LALS 243

Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 or Transfer: TGE (ENGL 275)

**3) Aesthetics (Art, Music, Theater)**

ART 211, 241, 261; MUSC 111, 119; THR 110, 136, 211  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_  
 or Transfer: TGE (ART 175, MUSC 175, THR 175, HUM 175)

**4) Philosophy** PHIL 100, 101, 200

Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 or Transfer: TGE (PHIL 175)

**Technology Literacy (3)**

CMPS 110, CMPS 111, ART 140, or take a challenge exam.

Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 or Transfer: TGE (CMPS 175)

\* Includes 35 hours of the NM Common Core  
 plus 6 additional WNMU hours

\*\* The total credits from Area IV and Area V  
 must be 18 hours.

Note: TGE = Transferred General Education courses  
 listed by HED or other transfer agreements,  
 but with no WNMU equivalent

## 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 202/203 Mjr I:Plant FFD	(4)		GEOL 101/103 Physical Geology	(4)	
BIOL 204/205 Mjr II:Animal FFD	(4)		GEOL 102/104 Historical Geology	(4)	
CHEM 151/153 Gen'l Chemistry I	(4)		Capstone Course: Methods of Teaching Science		
PHYS 151/153 Gen Physics I <b>or</b> PHYS 171/173 Princ of Physics I			BIOL/PHSC/GEOL 450	(3)	
Course: _____	(4)				

### **Select One Concentration from the Four Choices Below**

#### **0412 - Life Science (19 credits)**

BIOL 206/207 Mjr III: Cell Biology	(4)	
BIOL 301/303 Ecology	(4)	
BIOL 366/368 Genetics	(4)	
BIOL 422 Evolution	(3)	
Upper Div BIOL:	(4)	

#### **1903 - Earth & Space Science (19 credits)**

GEOL 301/303 Rock & Minerals	(4)	
GEOL 305/307 Weather/Climate	(4)	
GEOL 315 Geology of NM	(3)	
PHSC 115/116 Desc Astronomy	(4)	
Upper Div GEOL:	(4)	

#### **0405 - Physical Science (21-22 credits)**

CHEM 152/154 Gen Chemistry II*	(4)	
PHYS 152/154 Gen Physics II <b>or</b> PHYS 172/174 Princ of Physics II		
Course: _____	(4)	
CHEM 351/353 Organic Chem I	(5)	
CHEM 352/354 Organic Chem II	(5)	
Upper Div CHEM:	(3-4)	

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

BIOL 206/207 Mjr III: Cell Biology	(4)	
GEOL 301/303 Rocks & Minerals	(4)	
CHEM 152/154 Gen Chemistry II*	(4)	
Upper Div BIOL:	(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 (12 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: \_\_\_\_\_