

# WESTERN NEW MEXICO UNIVERSITY

## Degree Plan - Secondary Education (0803) & Science Education (0824)

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) ☐ BA

Catalog Authority: 2017-18 Expected Completion: \_\_\_\_\_ Advisor: \_\_\_\_\_

#### Double Major

### GENERAL EDUCATION REQUIREMENTS (41)\*

Course(Credits) Sem/Year Grade  
**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)** (see page 2)  
MATH 105, 106, 107, 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)**

EDUC 402 Computers in Classrm (3) plus one other  
Math and/or Computer Science course beyond Gen. Ed  
incl PSY/SOC 323 Social Statistics & BIOL/GEOG 361/363 GIS  
EDUC 402 Computer in Classrm (3) \_\_\_\_\_  
Course: \_\_\_\_\_ (3) \_\_\_\_\_

Course(Credits) Sem/Year Grade  
**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, 265  
ENGL 293, 296; 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 104, 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

#### **Or**

#### **BA Requirement (minimum of 3)**

Complete any upper division Spanish course, or one of the  
following: SPAN 202, BLED 431 or CLEP for four semesters  
of Spanish.

Course: \_\_\_\_\_ (3) \_\_\_\_\_  
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 202/203 Mjr I:Plant FFD (4)	_____	_____	GEOL 101/103 Gen'l Geology I (3)	_____	_____
BIOL 204/205 Mjr II:Animal FFD(4)	_____	_____	GEOL 102/104 Gen'l Geology II	_____	_____
CHEM 151/153 Gen'l Chem I (4)	_____	_____	Capstone Course: Methods of Teaching Science		
PHYS 151/153 Gen'l Physics I <u>or</u> PHYS 171/173 Prin 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)	_____	_____
BIOL: _____ (4)	_____	_____

#### 0405 - Physical Science (19-20 credits)

CHEM 152/154 Gen Chemistry II (4)	_____	_____
PHYS 152/154 Gen'l Physics II <u>or</u> PHYS 172/172 Prin Physics II		
Course: _____ (4)	_____	_____
CHEM 351/353 Organic Chem I (4)	_____	_____
CHEM 352/354 Organic Chem II (4)	_____	_____
Upper Div CHEM: _____ (3-4)	_____	_____

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

GEOL 301/303 Rocks & Minerals (4)	_____	_____
GEOL 305/307 Weather/Climat (4)	_____	_____
GEOL 315 Geology of NM (3)	_____	_____
PHSC 115/116 Desc Astronmy (4)	_____	_____
Upper Div GEOL: _____ (4)	_____	_____

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

BIOL 206/207 Mjr III: Cell Biology (4)	_____	_____
CHEM 152/154 Gen Chemistry 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 414 Multicult Education (3)	_____	_____	EDUC 428 Student Growth/Dev (3)	_____	_____
EDUC 402 Computer in Classrm (3)	_____	_____	SPED 408 Intro Except Child (3)	_____	_____

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

EDUC 311 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 (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)

NES Professional Knowledge: Secd	Score: _____	EDUC 494 Practice Teaching (9-11)	_____	_____
NES Content Knowledge	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 (12 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: \_\_\_\_\_