

**WESTERN NEW MEXICO UNIVERSITY**  
**Degree Plan - Mathematics (1701)**  
**Department of Mathematics and Computer Science**

Student Name: \_\_\_\_\_ ID#: \_\_\_\_\_ Tel #: \_\_\_\_\_ Degree Type \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  BS  BA  
 Catalog Authority: 2009-10 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: \_\_\_\_\_ ( ) \_\_\_\_\_  
**This requirement is fulfilled by the major core requirements**  
 or Transfer: TGE (MATH 175)

**Area III - Laboratory Science (8)**  
 Pick two courses (plus labs) from the following:  
 BIOL 101, 102, 202, 204, 206, CHEM 121, 151, 152  
 BIOL 254, 255 PHSC 101, 102, 115, 171  
 GEOL 101, 102, 201 PHYS 151, 152, 171, 172  
 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; GEOG 201, 202, 205 2) CJUS 111  
 3) ECON 201, 202 4) POLS 201, 202 5) PSY 102 6) SOC 101, 102  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 or Transfer TGE (ANTH 175, ECON 175, GEOG 175, POLS 175, PSY 175, SOC 175)

**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 200, 201, 205, 225, 240, 265, 293, 294, 296, 297  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 or Transfer: TGE (ENGL 175)

**3) Aesthetics (Art, Music, Theater)**  
 ART 211, 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)

**Computer Literacy (3)**  
 Pick either CMPS 110 or 111, 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

**BS Requirement**

MATH, CMPS (any 2 courses beyond Gen. Ed)  
**This requirement is fulfilled by the major core requirements**

**OR**

**BA Requirement (3 credits minimum)**

Completion of one of the following: SPAN 202, SPAN 252, SPAN 214 or any upper level Spanish course.  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_

## Degree Plan - Mathematics Major

### SUPPORTING COURSEWORK (11 credit hours)

Select one of the following groups of lab science courses (may count as Gen'l Ed Lab Science), plus CMPS 170.

CHEM 151/153 and 152/154 General Chemistry I & II	Course: _____	(4)	_____	_____
<b>or</b> PHYS 151/153 and 152/154 General Physics I & II	Course: _____	(4)	_____	_____
<b>or</b> PHYS 171/173 and 172/174 Principles of Physics I & II	CMPS 170 Prog Fundamentals	(3)	_____	_____

Majors take the Mathematics Core Requirements plus one of the three concentrations.

### MATHEMATICS CORE REQUIREMENTS (22-28 credits)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
MATH 131 College Algebra*	(3)	_____	MATH 210 Fndtns Math Thkg	(3)	_____
MATH 132 Trigonometry*	(3)	_____	MATH 271 Calculus III	(4)	_____
MATH 171 Calculus I	(5)	_____	MATH 321 Statistics	(3)	_____
MATH 172 Calculus II	(4)	_____	MATH 496 Sr Project & Sem.	(3)	_____

\* may be waived for students with the proper background

#### 1. Statistics/Actuarial Science (15 credits)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
MATH 312 Comp Linear Alg	(3)	_____
MATH 323 Differential Eqtns	(3)	_____
MATH 421 Adv Apld Statistics	(3)	_____
MATH 471 Prob & Statistics I	(3)	_____
MATH 472 Prob & Statistics II	(3)	_____

OR

#### 2. Applied Mathematics (15 credits)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
MATH 312 Comp Linear Alg	(3)	_____
MATH 323 Differential Eqtns	(3)	_____
MATH 421 Adv Apld Statistics	(3)	_____
MATH 410 Abstract Math	(3)	_____
<b>or</b> MATH 417 Numerical Anal.	(3)	_____
MATH 431 Math Modeling	(3)	_____

#### OR 3. Mathematics Education (Secondary) (15 credit hours)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
MATH 304 Math for Sec Teach	(3)	_____
MATH 327 Survey of Geometry	(3)	_____
MATH 312 Comp Linear Alg	(3)	_____
<b>or</b> MATH 410 Abstract Math	(3)	_____

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
<b>Select 6 more credit hours of upper division MATH courses</b>		
Course: _____	( )	_____
Course: _____	( )	_____

### MINOR DEGREE COURSES (18-24 hours outside the Mathematics discipline)

Minor: \_\_\_\_\_ Number of Credits: \_\_\_\_\_  
 (attach degree plan worksheet for your minor, with course details)

### ADDITIONAL COURSES (to fulfill the 128 hour requirement)

Course: _____ ( ) _____	Course: _____ ( ) _____
Course: _____ ( ) _____	Course: _____ ( ) _____
Course: _____ ( ) _____	Course: _____ ( ) _____
Course: _____ ( ) _____	Course: _____ ( ) _____

**Student Success Seminar:** ACAD 101 (3 credits) Sem/Year: \_\_\_\_\_ Grade: \_\_\_\_\_

**Upper Division Hours (54 minimum):** \_\_\_\_\_ **Writing Intensive Hours (12 minimum):** \_\_\_\_\_  
 (6 hours must be outside of major and minor disciplines)

**Total Hours (128 minimum required):** \_\_\_\_\_ **Copy to Registrar on (date):** \_\_\_\_\_

**Original completed on (date):** \_\_\_\_\_ **Grad. Audit sent on (date):** \_\_\_\_\_

**Updated on (date):** \_\_\_\_\_

**Student Signature:** \_\_\_\_\_ date: \_\_\_\_\_

**Advisor Signature:** \_\_\_\_\_ date: \_\_\_\_\_