

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

Student Name: \_\_\_\_\_ SSN #: \_\_\_\_\_ Tel #: \_\_\_\_\_ Degree Type  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  BS  BA  
 Catalog Authority: 2004-05 Expected Completion: \_\_\_\_\_ Advisor: \_\_\_\_\_

**GENERAL EDUCATION & STUDENT SUCCESS REQUIREMENTS (46-49)**

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
<b>Oral Communications (3)</b>			<b>Fine Arts (6)</b>		
Pick one of the following: COMM 110, THR 211, THR 250			Pick one of the following: ART 211, MUSC 111, THR 110		
Course (Cr): _____			Course (Credit): _____		
<b>Written Communications (6)</b>			Pick at least 3 hours from any of the following:		
ENGL 101 Comp & Rhetoric I (3) _____			ART 101, 102, 103, 107, 205, 210,221,230,241,251,261,271		
ENGL 102 Comp & Rhetoric II (3) _____			MUSC 100, 101, 119, 151		
			THR 136, 211, 215, 250		
			Course (Credit): _____		
<b>Mathematics (3 or 6)</b>			<b>History (3)</b>		
Pick one MATH course numbered 131 - 299 or MATH 321			Pick one course from the following:		
<u>or</u> two MATH courses numbered below 131			HIST 111, 112, 201, 202		
<b>This requirement is fulfilled by the major core requirements</b>			Course (Credit): _____		
<b>Laboratory Science (8)</b>			<b>Computer Area (3)</b>		
Pick two courses (plus labs) from the following:			Pick either CMPS 110 or 160, or take a challenge exam.		
CHEM 151/153 and 152/154 General Chemistry I & II			Course (Credit): _____		
<u>or</u> PHYS 151/153 and 152/154 General Physics I & II					
<u>or</u> PHYS 171/173 and 172/174 Principles of Physics I & II			<b>Physical and Mental Well-Being Area (2)</b>		
Course (Cr): _____			MVSC 100 Lifetime Wellness (1) _____		
Course (Cr): _____					
<b>Social and Behavioral Sciences (6)</b>			Pick 1 hour from any of the following: MVSC 103, 104,		
Pick two courses from separate disciplines from the following:			105, 106, 109, 112, 113, 118, 119, 121, 124, 125, 134, 135,		
ANTH 201, 202      ECON 200, 201, 202      GEOG 202, 205			137, 138, 139, 140, 141, 143, 144, 151, 152, 153, 157		
POLS 201      PSY 102      SOC 101, 102			Course (Credit): _____		
Course (Cr): _____			Other service: _____		
Course (Cr): _____			(military, sports, police academy)		
<b>Humanities (3)</b>			<b>Student Success Seminar</b>		
Pick one of the following:      ENGL 200, 201, 205, 225, 240,			ACAD 101 Student Success Sem (3) _____		
Course (Cr): _____					

**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.

**Other Requirement (3 credit hours)**

CMPS 170 Prog Fundamentals (3) \_\_\_\_\_

## Degree Plan - Mathematics Major

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

### MATHEMATICS CORE REQUIREMENTS (22 Minimum)

<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)	_____
<u>or</u> 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)	_____
<u>or</u> MATH 410 Abstract Math	(3)	_____

**Select 6 more credit hours of upper division MATH courses**

Course (Cr): \_\_\_\_\_  
 Course (Cr): \_\_\_\_\_

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

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

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

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

**Total Upper Division Hours (54 minimum required):** \_\_\_\_\_

(6 hours must be outside of major and minor disciplines)

**Total Writing Intensive Course Hours (minimum of 12 required):** \_\_\_\_\_

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

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

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

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

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