

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: 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>
Oral Communications (3)			Fine Arts (6)		
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): _____		
Written Communications (6)			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): _____		
Mathematics (3 or 6)			History (3)		
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		
This requirement is fulfilled by the major core requirements			Course (Credit): _____		
Laboratory Science (8)			Computer Area (3)		
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			Physical and Mental Well-Being Area (2)		
Course (Cr): _____			MVSC 100 Lifetime Wellness (1) _____		
Course (Cr): _____					
Social and Behavioral Sciences (6)			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)		
Humanities (3)			Student Success Seminar		
Pick one of the following: ENGL 200, 201, 205, 225, 240,			ACAD 101 Student Success Sem (3) _____		
ENGL 265, 296, 297, 298, 299					
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.

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

Degree Plan - Mathematics Major

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

MATHEMATICS CORE & OTHER REQUIREMENTS

<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)	_____
			CMPS 170 Prog Fundamentals	(3)	_____

* may be waived for students with the proper background

1. Statistics/Actuarial Science (15 credits)

OR

2. Applied Mathematics (15 credits)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
MATH 312 Comp Linear Alg	(3)	_____	MATH 312 Comp Linear Alg	(3)	_____
MATH 323 Differential Eqtns	(3)	_____	MATH 323 Differential Eqtns	(3)	_____
MATH 421 Adv Apld Statistics	(3)	_____	MATH 421 Adv Apld Statistics	(3)	_____
MATH 471 Prob & Statistics I	(3)	_____	MATH 410 Abstract Math	(3)	_____
MATH 472 Prob & Statistics II	(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>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
MATH 304 Math for Sec Teach	(3)	_____	Select 6 more credit hours of upper division MATH courses		
MATH 327 Survey of Geometry	(3)	_____	Course (Cr):	_____	_____
MATH 312 Comp Linear Alg	(3)	_____	Course (Cr):	_____	_____
<u>or</u> MATH 410 Abstract Math	(3)	_____			

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: _____ **date:** _____

Advisor Signature: _____ **date:** _____