

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

Student Name: _____ ID# _____ Degree Type _____
 Address: _____ BS BA
 Catalog Authority: 2003-04 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) Pick one of the following: COMM 110, THR 211, THR 250 Course (Credit): _____			Fine Arts (6) Pick one of the following: ART 211, MUSC 111, THR 110 Course (Credit): _____		
Written Communications (6) ENGL 101 Comp & Rhetoric I (3) _____ ENGL 102 Comp & Rhetoric II (3) _____			Pick at least 3 hours from any of the following: ART 101, 102, 103, 107, 205, 210,221,230,241,251,261,271 MUSC 100, 101, 119, 151 THR 136, 211, 215, 250 Course (Credit): _____		
Mathematics (3 or 6) Pick one MATH course numbered 131 - 299 or two MATH courses numbered below 131 Course (Credit): _____ Course (Credit): _____			History (3) Pick one course from the following: HIST 111, 112, 201, 202 Course (Credit): _____		
Laboratory Science (8) Pick two courses (including lab) from the following: BIOL 101, 102, 111, 112 CHEM 121, 151*, 152* GEOG 201 GEOL 101, 102, 201 MVSC 240 PHSC 101, 102, 115, 171, 172 PHYS 151, 152, 171*, 172* Course (Credit): _____ Course (Credit): _____ <small>*CHEM 151&152 or PHYS 171&172 are required for this major</small>			Computer Area (3) Pick either CMPS 110 or 160, or take a challenge exam. Course (Credit): _____		
Social and Behavioral Sciences (6) Pick two courses from separate disciplines from the following: ANTH 201, 202 ECON 200, 201, 202 GEOG 202, 205 POLS 201 PSY 102 SOC 101, 102 Course (Credit): _____ Course (Credit): _____			Physical and Mental Well-Being Area (2) MVSC 100 Lifetime Wellness (1) _____ Pick 1 hour from any of the following: MVSC 103, 104, 105, 106, 109, 112, 113, 118, 119, 121, 124, 125, 134, 135, 137, 138, 139, 140, 141, 143, 144, 151, 152, 153, 157 Course (Credit): _____ Other service: _____ (military, sports, police academy)		
Humanities (3) Pick one of the following: ENGL 200, 201, 205, 225, 240, ENGL 265, 296, 297, 298, 299; or HUM 205 Course (Credit): _____			Student Success Seminar ACAD 101 Student Success Sem (3) _____ Note: the two lowest level math courses taken will be considered General Education credit hours.		

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)	_____	_____
* may be waived for students with the proper background			CMPS 170 Prog Fundamentals (3)	_____	_____

Statistics/Actuarial Science (15 credits)

Or

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 Eq (3)	_____	_____	MATH 323 Differential Eq (3)	_____	_____
MATH 421 Design of Exp (3)	_____	_____	MATH 421 Design of Expermnts (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 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 course		
MATH 327 Survey of Geometry (3)	_____	_____	Course (Credit):	_____	_____
MATH 312 Comp Linear Alg (3)	_____	_____	Course (Credit):	_____	_____
<u>or</u> MATH 410 Abstract Math (3)	_____	_____			

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

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

ADDITIONAL COURSES (to fulfill the 128 hour requirement)

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

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:** _____