

MATHEMATICS BS DEGREE REQUIREMENTS 2024-2025 Pure MATHEMATICS

Student Name				UNM ID#	
Major	Pure Math			Minor (req)	
Admitted Sem/Yr				FR/ SO/ JR/ SR	
Expected date of graduation					
Student's interests:					
Completed Courses	Semester	Grade	Instructor	Pre-approved Sub	Comments
Math 1512 (162) Calc 1					
Math 1522 (163) Calc 2					
Math 2531 (264) Calc 3					
MATH 327 Intro Math thinking & Discrete Structures					
MATH 321 Linear Algebra					
MATH 313 Complex Variable					
MATH 322 Modern Algebra I					
MATH 401 Advanced Calculus I					
Two from 319, 421, 431, 439, 441, 462,472					
MATH 402 (Spring) Adv Calc II					
Additional 300-level or above MATH 300 -					
Computing course at the level of ENG130L, CS 152L, PHYS 2415, or ECE 131L					
Requirements per https://catalog.unm.edu					
Complete the following:					
MATH313 - Complex Variables (3)					
MATH322 - Modern Algebra I (3)					
MATH327 - Introduction to Mathematical Thinking and Discrete Structures (3)					
MATH402 - Advanced Calculus II (3)					
Earn at least 6 credits from the following:					
MATH319 - Theory of Numbers (3)					
MATH431 - Introduction to Topology (3)					
MATH439 - Topics in Mathematics (1 - 3)					
MATH441 - Probability (3)					
MATH462 - Introduction to Ordinary Differential Equations (3)					
MATH472 - Fourier Analysis and Wavelets (3)					
MATH421 - Modern Algebra II (3)					
Earned at least 3 credits from MATH 300 - 699					
Students who are unfamiliar with mathematical abstraction are encouraged to take **327 as early in their program as possible					
Minor in Mathematics					

MATH 2530; 12 credit hours in Mathematics and Statistics courses numbered above 300. At least 6 of the 12 credit hours must be in courses labeled MATH. The Credit/No Credit grade option may not be used for minor study and the grades in all mathematics and statistics courses must be "C" (not "C-") or better. Courses required for a major may not be used to fulfill a minor requirement.

Minor in Statistics: Requirements for the Mathematics Major

MATH 1350 and 2530; STAT **345, 427, 428; an additional 3 credit hours of Statistics in courses numbered 300 and above. All 12 credit hours in courses 300-level and above must be in courses labeled STAT. The Credit/No Credit grade option may not be used for minor study and the grades in all statistics courses must be a "C" (not "C-") or better.

A double-starred (**) level course and may be taken for graduate credit by students enrolled in a graduate program outside of the department. A graduate student enrolled in a double-starred course numbered below 500 may be required to complete extra work.
A starred (*) level course and may be taken for graduate credit by students enrolled in a graduate program. A graduate student enrolled in a starred course numbered below 500 may be required to complete extra work.