

MATHEMATICS BS DEGREE REQUIREMENTS 2024 - 2025 MATHEMATICS OF COMPUTATION

Student Name				UNM ID#	
Major	Computational Math			Minor (req)	Computer Science
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 Calc 1					
Math 1522 Calc 2					
Math 2531 Calc 3					
MATH 321 Linear Algebra					
Choose four: 312, 316, 317, 319, 322					
One from MATH 441 or STAT 345					
MATH 375 Intro Num Computing					
MATH 464 Appl Matrix					
MATH 471 Intro Scient Comp					
Computing course at the level of ENG130L, CS 152L, PHYS 2415, or ECE 131L					
Requirements per https://catalog.unm.edu					
Complete the following:					
MATH375 - Introduction to Numerical Computing (3)					
MATH464 - Applied Matrix Theory (3)					
MATH471 - Introduction to Scientific Computing (3)					
Complete at least 1 of the following:					
MATH441 - Probability (3)					
STAT345 - Elements of Mathematical Statistics and Probability Theory (3)					
Complete at least 4 of the following:					
MATH312 - Partial Differential Equations for Engineering (3)					
MATH316 - Applied Ordinary Differential Equations (3)					
MATH317 - Elementary Combinatorics (3)					
MATH319 - Theory of Numbers (3)					
MATH322 - Modern Algebra I (3)					
Note that MATH 401 is not required for this concentration, but is recommended for students contemplating advanced study in mathematics.					
A minor in Computer Science is required.					
Minor in Mathematics					

<p>MATH 2531; 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.</p>					
<p>Minor in Mathematics: Requirements for the Statistics Major</p>					
<p>MATH 2531; 12 credit hours of Mathematics courses numbered above 300. All 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 courses must be "C" (not "C-") or better.</p>					

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.