MATHEMATICS BS DEGREE REQUIREMENTS 2023 - 2024
OPTION III - MATHEMATICS EDUCATION

Student name: _____ UNM ID: _____

Concentration: **Mathematics Education**   Minor (req): _____

Admitted to program on: _____ as a (circle one of) FR / SO / JR /SR

Expected date of graduation: _____

Student's interests: _____

Completed Courses	Sem	Grade	Instructor	Pre-approved substitutions
Math 1512 (162) Calc 1				
Math 1522 (163) Calc 2				
Math 2531 (264) Calc 3				
MATH 327 Intro Math thinking and Disc Structures				
MATH 305 Math Hist Persp				
MATH 321 or MATH 314 Linear Algebra				
MATH 322 Modern Algebra I				
MATH 306 College Geom				
STAT **345 Elements of Mathematical Statistics and Probability Theory				
One from MATH 316 or 375 or 412 #1				
MATH 401 Advanced Calculus I				
MATH 338 Math Second Teach				
Computing course at the level of ENG130L, CS 152L, PHYS 2415, or ECE 131L #1				

Concentration Requirements

- Complete all of the following
  - Complete the following:
    - [MATH305](#) - Mathematics from a Historical Perspective (3)
    - [MATH306](#) - College Geometry (3)
    - [MATH322](#) - Modern Algebra I (3)

- MATH327 - Introduction to Mathematical Thinking and Discrete Structures (3)
- MATH338 - Mathematics for Secondary Teachers (3)
- MATH401 - Advanced Calculus I (4)
- STAT345 - Elements of Mathematical Statistics and Probability Theory (3)
- Complete at least 1 of the following:
  - MATH375 - Introduction to Numerical Computing (3)
  - MATH412 - Nonlinear Dynamics and Chaos (3)
  - MATH316 - Applied Ordinary Differential Equations (3)
- Complete at least 1 of the following:
  - MATH314 - Linear Algebra with Applications (3)
  - MATH321 - Linear Algebra (3)

Reference: https://catalog.unm.edu/catalogs/2023-2024/#/programs/r1mTQeXqs5/HJbtUQuji9?bc=true&bcCurrent=Bachelor%20of%20Science%20in%20Mathematics&bcGroup=Mathematics%20%26%20Statistics&bcItemType=programs

Notes: Fall only: Math 305, 441, 462; *Spring* only: Math 306, 322, 412.

Advisement History:

Date	Advised by	Semester	Recommended courses for semester

Minor Study Requirements, https://catalog.unm.edu/catalogs/2023-2024/#/programs/SysNNI-0c?bc=true&bcCurrent=Minor%20in%20Mathematics&bcGroup=Mathematics%20%26%20Statistics&bcItemType=programs

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.