

## MATHEMATICS BS DEGREE REQUIREMENTS 2022/2023

### OPTION II - APPLIED MATHEMATICS

Student name: \_\_\_\_\_ UNM ID: \_\_\_\_\_

Concentration: **Applied Mathematics** 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				
Computing course at the level of ENG130L, CS 152L, PHYS 2415, or ECE 131L #1				
<a href="#">MATH 316</a> ODEs				
<a href="#">MATH 321</a> Lin Algebra				
Additional 300-level or above Math and Stat course #1				
<a href="#">MATH 311</a> or <a href="#">MATH 402</a>				
<a href="#">MATH 312</a> PDEs				
<a href="#">MATH 313</a> Complex Var				
<a href="#">MATH 375</a> Num Computing				
<a href="#">MATH 401</a> Adv Calculus I				
One from 412, 441, 462, 463, 464, *471, 472 (if MATH402 is not taken) #1				

Applied Mathematics: MATH 311 or 402, \*\*312, \*\*313, \*\*316, \*\*375. Both 311 and 402 can be taken for credit. If 402 is not chosen, then the concentration must include one course from: \*\*412, 441, 462, 463, 464, \*471, 472. Students must also take one 300-level or above Mathematics and Statistics course, which must be 3-4 credit hours. Reference: <http://catalog.unm.edu/catalogs/2022-2023/colleges/arts-sciences/mathematics-statistics/undergraduate-program.html>

Notes: Fall only: Math 322, 431, 441, 462, 464, 471; Spring only: Math 319, 402, 412, 421, 463, 472 {Alternate Springs}; Offered upon demand: MATH 439. For graduation, students must have 27 upper

level math/stats credit hours.

**Advisement History:**

Date	Advised by	Semester	Recommended courses for semester

**Registration History:** (Math/Stats courses only)

Institution	Semester	Course	Grade	Instructor (if known)

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **Minor Study Requirements**

### 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.