

MATHEMATICS BS DEGREE REQUIREMENTS 2022/2023

OPTION IV - MATHEMATICS OF COMPUTATION

Student name: _____ UNM ID: _____

Concentration: **Mathematics of Computation** Minor (req): COMPUTER SCIENCE 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 321 Linear Algebra				
Four from 312 , 316 , 317 , 319 , 322 #1				
#2				
#3				
#4				
One from MATH 441 or STAT 345 #1				
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 #1				

Mathematics of Computation

- MATH **375, 441 or STAT **345, 464, *471; four courses from: MATH **312, **316, **317, **319, 322. 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, consisting of: CS 152L, 261, 251L, two courses from: CS 341L, 351L, 361L; ECE 238L. The Computer Science advisor may make exceptions where appropriate.

Reference: <http://catalog.unm.edu/catalogs/2022-2023/colleges/arts-sciences/mathematics->

<statistics/undergraduate-program.html> Notes: Fall only: Math 322, 441, 462, 464, 471.

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.