STEM Pathway
Mathematics AS

The Associate of Science in Mathematics degree program provides the first two years of study for a student who plans to transfer to a four-year institution and pursue a bachelor's degree in mathematics or a related field. Mathematics is an intriguing discipline, even without regard to applications outside mathematics. Mathematics emphasizes fundamental ideas in everyday life. The degree can be excellent preparation for future study in the areas of mathematics and statistics, as well as being good pre-professional training for students wanting to pursue careers in engineering, medicine, or other professions that require proficiency in mathematics.

Fall

Course	Credits
MATH 1215: Intermediate Algebra	3
ENGL 1110: Composition I	3
Gen Ed Student Choice: Choose one Gen Ed course (CS 105L or 108L is recommended)	3
Gen Ed Arts and Design: Choose any Gen Ed Arts and Design course	3

Spring

Course	Credits
MATH 1220: College Algebra	3
ENGL 1120: Composition II	3
MATH 1350: Introduction to Statistics	3
Gen Ed Physical and Natural Sciences: Choose one course with Lab	4

Summer

Course	Credits
MATH 1240: Pre-Calculus	3
MATH 1230: Trigonometry	3

Fall

Course	Credits
MATH 1512: Calculus I	4
Gen Ed Second Language: Choose one Gen Ed Second Language course	3
Gen Ed Writing & Speaking: Chose one of the following: • COMM 1130 • ENGL 2120 • ENGL 2210 • PHIL 1120	3
Program Elective: Choose one Elective Course	3

Spring

Course	Credits
MATH 1522: Calculus II	4
Gen Ed Social and Behavioral Sciences: Choose one course	3
Program Elective: Choose one Elective Course	3
Program Elective: Choose one Elective Course	3

Fall

Course	Credits
MATH 2531: Calculus III	4
Gen Ed Humanities: Choose One Gen Ed Humanities course	3

Total Program Credit Hours, including 3 prerequisite credit hours = 64

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Meet with your Academic Success Coach

Apply for FAFSA by October 1st

Meet with Financial Aid Apply for scholarships

Meet with your Faculty Mentor

Apply for graduation and/ or transfer

Career and Educational Advancement Opportunities

This program is intended to be a transfer program and is good preparation for bachelor programs in math, science, and engineering. Students choosing to pursue a degree in math may find careers in teaching, actuarial science, computer science, operations research, biomathematics, cryptography, or finance. Diverse opportunities exist for students to engage in work-based learning experiences such as job shadowing, internships, and informational interviewing. Career Services can help students access these experiences.



*New Mexico data taken from O*Net Online United States Department of Labor database. Wages reflect annual income and are rounded to the nearest thousand dollars. income and are rounded to the nearest thousand dollars.*

= slow growth = average growth = fast growth

For questions or to schedule a time to meet with an Advisor/Academic Success Coach about this program contact: Advisement at 505.925-8907. Map Current as of the 2026-2027 Academic Year.