

MATHEMATICAL SCIENCES

Undergraduate Program Information

In addition to meeting University and College requirements, students earning a Bachelor of Science in Mathematics must fulfill the core departmental requirements and choose from one of six concentrations:

- General,
- Applied Mathematics,
- Actuarial Science and Insurance,
- Foundations,
- Secondary Mathematics Education or
- Probability and Statistics.

Students must earn a grade of C- or better in all departmental and nondepartmental courses for any degree in the Department of Mathematical Sciences.

Math Sequence Information and Recommendations

Some students may be able to bypass one or more courses in the calculus sequence MATH 1511G Calculus and Analytic Geometry I - MATH 1521G Calculus and Analytic Geometry II - MATH 2530G Calculus III. The calculus sequence, MATH 1531 Introduction to Higher Mathematics, and MATH 2415 Introduction to Linear Algebra provide knowledge that is basic to further work, and students are advised to complete them or their equivalent as early as possible.

Students planning to enter a graduate program in Mathematics should select the General Emphasis. In any case, such students are strongly advised to take both MATH 3110 Introduction to Modern Algebra and MATH 3120 Introduction to Analysis, since these courses are required by most programs, and should take as many as possible of the following courses

Prefix	Title	Credits
MATH 4340	Abstract Algebra I: Groups and Rings	3
MATH 4350	Advanced Linear Algebra	3
MATH 4360	Introduction to Real Analysis I	3
MATH 4365	Introduction to Real Analysis II	3

Graduate Program Information

The Department of Mathematical Sciences offers graduate instruction leading to the Master of Science degree, and Doctor of Philosophy degree. Possible areas of study are various topics in pure mathematics and applied mathematics, statistics and mathematics education. Students may also pursue an interdisciplinary program of study. Most graduate students in Mathematical Sciences are supported either through teaching assistantships, research assistantships, fellowships, or job opportunities at nearby teaching or research units.

For more information on our programs and facilities, and to learn more about the research interests of the faculty, please see our web site at <https://math.nmsu.edu/>, phone us at (575) 646-3901, or write to:

Graduate Secretary
 Department of Mathematical Sciences
 NMSU
 Las Cruces, NM 88003-8001
 Email: gradcomm@nmsu.edu

Students applying for regular admission to graduate study in mathematics are expected to have 24 credits of upper-division courses in mathematics and statistics, including three-credit proof based courses in modern analysis and in modern algebra. Students who do not meet these requirements may be admitted with deficiencies and allowed to complete the requirements at New Mexico State University.

Applications must be submitted online, see <http://prospective.nmsu.edu/graduate/apply/> (<http://admissions.nmsu.edu/apply/>). The minimum application to be admitted as a regular graduate student in mathematics includes:

1. a completed Graduate School admission application
2. complete transcripts of all undergraduate and graduate work
3. application fee
4. three letters of recommendation from professors, employers, or others who are qualified to judge potential for graduate work in mathematics
5. a one-page statement of educational objectives

Although GRE subject test scores are not required for admission, applicants are encouraged to submit them, if available. The test scores may be used to help allocate available teaching assistantships among entering students.

To ensure full consideration for admission, candidates should submit their applications by the following deadlines.

Application Deadlines-Domestic Applicants

Semester	Admission Only	Admission/Financial Aid
Fall	July 1	February 1
Spring/Summer	October 1	October 1

Application Deadlines-International Applicants

Semester	Admission Only	Admission/Financial Aid
Fall	February 1	February 1
Spring/Summer	October 1	October 1