

SJSU | DEPARTMENT OF MATHEMATICS AND STATISTICS

M.A./M.S. MATHEMATICS

Admission Requirements

1. Admission to the Graduate Division.
2. International students must have achieved a score of at least 550 on the TOEFL exam (NO TOEFL waiver).
3. Completion of at least 18 semester units of upper division mathematics for the M.A.(at least 24 for the M.S.) with a grade point average of at least a 3.0. The courses taken must be acceptable toward a bachelor's degree in mathematics.
4. Letters of recommendation (1-3), sent directly to the Mathematics Graduate coordinator at the address below.

IF YOU DO NOT MEET THE ABOVE REQUIREMENTS

Students who meet the minimum requirements for admission to the Graduate Division but do not meet the requirements for admission to the master's degree program may be admitted as Conditionally Classified students.

Graduation Requirements: M.A./M.S. Mathematics

1. Twelve units of 200-level courses in mathematics for M.A. students, and eighteen units of 200-level courses in mathematics for M.S. students from the following list. For both M.A. and M.S. students, these courses must include a year sequence.

Math 211A.....	Geometry of Projective Spaces
Math 211B.....	Advanced Topics in Geometry
Math 213A.....	Introduction to Smooth Manifolds
Math 213B.....	Introduction to Riemannian Geometry
Math 221A.....	Higher Algebra I
Math 221B.....	Higher Algebra II
Math 226.....	Theory of Numbers
Math 229.....	Advanced Matrix Theory
Math 231A.....	Real Analysis
Math 231B.....	Functional Analysis
Math 233A.....	Applied Mathematics I
Math 233B.....	Applied Mathematics II
Math 234.....	Advanced Dynamical Systems
Math 235.....	Wavelets and their Applications
Math 238.....	Advanced Complex Variables
Math 243A.....	Advanced Numerical Analysis
Math 243B.....	Advanced Topics in Numerical Analysis
Math 258.....	Categorical Data Analysis
Math 259.....	Sampling Design and Analysis
Math 261A.....	Regression Theory and Methods
Math 261B.....	Design and Analysis of Experiments
Math 265.....	Time Series Theory and Methods
Math 266.....	Survival Analysis
Math 271A.....	Mathematical Logic
Math 271B.....	Advanced Mathematical Logic
Math 275.....	Topology
Math 279A.....	Graph Theory
Math 279B.....	Advanced Graph Theory
Math 285.....	Advanced Topics in Mathematic

2. Fifteen additional units of electives for M.A. students and (nine for M.S. students). These must be in 100- or 200- level mathematics courses, with certain exceptions allowed as described in the general catalog. A maximum of 3 units of Math 180 or Math 298 may be included. See below for other restrictions on these units.

3. A student finds a Department faculty member willing to serve as a thesis or writing project director. With that director's help, the student chooses a topic for the thesis or writing project.

The student must then pass a Qualifying Examination—oral or written at the student's election—that covers material generally

relevant to the area of the proposed thesis or writing project. Specific details about the material to be covered will be determined in consultation with the three-person committee of faculty members who will examine the student.

Note: students must pass this Qualifying Examination before they may begin formal work on a thesis or writing project.

4. Satisfy the University's Competency in Written English requirement. For details visit:

www.sjsu.edu/gape/current_students/completing_masters/index.html

5. Complete and successfully defend a thesis (or writing project) in mathematics under the direction of a Department faculty member. (See #3 above).

RESTRICTIONS

Math 101, 102, 105, 106, 107A, 107B, 110L, 123, 129A, 133A, 160, 297, and education courses applied toward the Single Subject Credential are not applicable toward the M.A. Mathematics or the M.S. Mathematics degree. Math 201A, and 201B are not applicable toward the M.S. Mathematics degree.

Applying for Graduation

With the aid of the Graduate Coordinator, students must complete and file the Departmental Request for Candidacy and Graduate Degree Program form with Graduate Studies before the posted deadline (usually 8 months before proposed graduation date). Students must file the Application for Award of Master's Degree form before the posted deadline (usually 3 months before the proposed graduation date). These forms, and the precise deadlines, are available at: www.sjsu.edu/gape/forms and www.sjsu.edu/gape/current_students/deadlines.

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For further information about the mathematics graduate program at SJSU, contact Dr. Richard Kubelka at (408) 924-5132 or email kubelka@math.sjsu.edu. Visit: www.math.sjsu.edu/~kubelka

For Graduate Admissions & Program Evaluations (for applications and information), visit: www.sjsu.edu/gape or contact (408) 924-2480

Online SJSU Catalog: <http://info.sjsu.edu>

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