

M.S. STATISTICS

This program is designed for students who wish to become practicing statisticians in business, government or industry. Students with a bachelor's degree in engineering, the sciences, economics, business, the social sciences or any other field which uses statistics are encouraged to apply for this program in order to learn advanced statistical techniques to apply in their fields. Students with a bachelor's degree in mathematics or statistics are welcome to apply for the program in order to advance their technical and theoretical skills and learn applications in areas of interest. See <http://www.sjsu.edu/statistics/>.

Admission Requirements

1. Admission to the Graduate Division:
<http://www.sjsu.edu/gape/>
2. International students must have achieved a score of at least 550 on the paper-based or at least 80 on the internet-based TOEFL exam.
3. Submission of scores for the general GRE test to GAPE.
4. Calculus credit through multiple integration and partial differentiation, as usually earned through 3 semesters of calculus (e.g., Math 30, 31, and 32 at SJSU), each with a grade of at least B.
5. Linear Algebra (e.g., Math 129A at SJSU), with a grade of at least B.
6. A calculus-based introductory course in probability and statistics (e.g., Math 161A at SJSU) with a grade of at least B.
7. Letters of recommendation (2-3), sent directly to the Statistics Admissions Coordinator at the address below.

Course Requirements

A total of 36 semester units of coursework are required for this degree

Math 163.....	Probability Theory
Math 164.....	Mathematical Statistics
Math 167.....	Programming in SAS
Math 203.....	Applied Mathematics, Computation, and Statistics Projects
or Math 288i.....	Statistics Internship
or Math 298.....	Special Study
Math 261A	Regression Theory and Methods
Math 261B.....	Design and Analysis of Experiments
Math 267A	Statistical Programming with R
Math 269.....	Statistical Consulting
Electives	12 units (usually four courses)

Course Notes

1. Elective courses in advanced statistical methods or in a content area of the student's area of interest must be approved in advance of registration by the Statistics Graduate Advisor. For a listing of suggested electives, see <http://www.sjsu.edu/statistics/degrees/electives>
2. Students who enter the program having already completed courses equivalent in level and content to any of those required for the degree may be allowed to substitute appropriate alternative courses upon advanced approval by the Statistics Graduate Advisor.
3. Students must obtain a grade of B or better in both Math 163 and Math 164 and meet all other University requirements, including Competency in Written English, before being advanced to candidacy. See http://www.sjsu.edu/gape/current_students/completing_masters/

Applying for Graduation

With the aid of the Statistics Graduate Advisor, students must complete and file the Petition for Advancement to Graduate Candidacy form with GAPE before the posted deadline (usually 8 months before the 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). The forms and the precise deadlines are available at http://www.sjsu.edu/gape/current_students.

Department of Mathematics and Statistics

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Online SJSU Catalog

<http://info.sjsu.edu/home/catalog.html>