A master's degree program in all concentrations with an emphasis on numerical analysis, computational methods, probability and statistics is excellent preparation for industrial or government employment.

**Financial Assistance**

The program offers teaching assistantships in the Department of Mathematics as a source of support for graduate students. These assistantships carry a stipend with remission of tuition of up to 10 credit hours each semester. Research assistantships are also available through participating departments and other sources, especially for students that have acquired advanced training. Assistantships are usually available only to incoming Ph.D. students; applications including letters of recommendation should be completed by January 10 for full consideration.

**Contact**

For more specific information, visit the program FAQ or email amsc@amsc.umd.edu.

**Jessica Sadler**

Program Coordinator

Department of Mathematics

Applied Mathematics & Statistics, and Scientific Computation Program

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Website: http://www.amsc.umd.edu

Courses: AMSC (https://academiccatalog.umd.edu/graduate/courses/amsc)

**Keywords:** Interdisciplinary program in applied mathematics, statistics and scientific computation that includes over 25 departments, including: Math, Engineering, Physics, Meteorology, Computer Science, Operations Research, Economics, and Biology.

Admissions

General Requirements
- Statement of Purpose
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students)

Program-Specific Requirements
- Letters of Recommendation (3)
- Graduate Record Examination (GRE)
- CV/Resume
- Publications/Presentations
- GRE Subject (strongly recommended/not required)

In addition to the Graduate School requirements, applicants are required to take the GRE general examination. The applicants are encouraged to take the GRE subject examination in either mathematics or another scientific topic. Applicants should have at least a "B" average (3.0 on a 4.0 scale) and should have completed an undergraduate program of study that includes a strong emphasis on rigorous mathematics, preferably through the level of advanced calculus and linear algebra.

Admission will be based on the applicant's ability to do graduate work in either applied mathematics, applied statistics, or scientific computation as demonstrated by the letters of recommendation, grades in coursework, and program of study. In some circumstances, a provisional admission may be given to applicants whose mathematical training is not sufficiently advanced. Previous education in an application area such as physics, biology, economics or one of the engineering disciplines, and a basic competence in computational techniques will be favorably considered in a student's application, although this is not a prerequisite.

When a student has decided upon an area of specialization, an advisory committee is formed and approved by the AMSC Graduate Committee. The advisory committee is responsible for formulating with the student a course of study that leads toward the degree sought. This course of study must constitute a unified, coherent program in an acceptable field of specialization of applied mathematics, applied statistics, or scientific computation.

For more admissions information, please visit http://www.amsc.umd.edu/join_us/index.html

To apply to the program, please visit our Graduate School website: https://gradschool.umd.edu/admissions

Application Deadlines

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<th>Type of Applicant</th>
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<td>Domestic Applicants</td>
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<td>US Citizens and Permanent Residents</td>
<td>7 Jan</td>
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<td>International Applicants</td>
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Facilities and Special Resources

There are over 25 participating departments and institutes on the College Park campus, including units in the College of Computer, Mathematical, and Natural Sciences and the School of Engineering. The university has an engineering technical library as well as a network of high performance workstations for faculty and graduate students. In addition, there are collaborations with various area research institutes such as NASA Goddard Space Flight Center, National Institutes of Health, National Institute of Standards and Technology, Naval Research Laboratory, and National Oceanic and Atmospheric Administration.