Our top-ranked AMSC graduate program opens a world of possibilities with a flexible, interdisciplinary graduate experience like no other.

Choose from 3 flexible tracks + create a study plan tailored to your research interests.

**Applied Mathematics**
*Expand* the mathematical foundation of applied sciences and engineering.

*Train* in advanced applied disciplines including mathematical modeling and differential equations.

**Applied Statistics**
*Specialize* in a statistical application with a variety of statistical topics.

*Develop* mathematical and computing skills necessary for modern applied statistical research.

**Scientific Computation**
*Study* computation in a variety of applied fields: *Physical + Life Sciences, Engineering, Business, and Social Science.*

*Train* in computational techniques and high performance computing.

Take your research further with local research labs + applied disciplines.

**Local Labs + Agencies**
- U.S. Naval Research Laboratory
- United States Census Bureau
- NASA
- CDC
- NIH
- National Center for Standards and Technology
- National Institute of Standards and Technology
- Applied Physics Laboratory
- Johns Hopkins Applied Physics Laboratory

**Popular Application Areas**
- Applied PDEs
- Atmospheric Sciences
- Biology and Medicine
- Computational Fluid Dynamics
- Control theory
- Cryptology
- Econometrics
- Epidemiology and Biostatistics
- Image Processing
- Machine Learning and Data Science
- Mathematical Finance
- Numerical Analysis and Scientific Computing
- Operations Research
- Quantum Computing
- Statistics
- Survey Methodology and Statistics of Social Measurement
Why choose AMSC?

AMSC Graduates are going places.

Graduates find competitive placements with Duke University, Harvard Medical School, Apple, Google, National Institutes of Health, Department of Energy, Wells Fargo, and Morgan Stanley - to name just a few.

World-Class Experts + Faculty

AMSC students receive individualized attention throughout their program and enjoy access to faculty with world-class expertise across several departments.

Key Location near Washington, D.C.

The AMSC program is located in a vibrant hub of mathematics, science, technology, medicine, and environmental research and policy, giving AMSC students the opportunity to work with renowned institutions.

We are here to help our students succeed.

Academic + Career Support

☑ Weeklong Math Orientation with TA Training
☑ AMSC New Student Mentor Program
☑ Graduate Student Committee of AMSC, MATH, & STAT: https://tinyurl.com/gscams
☑ Women in Math: wom.math.umd.edu
☑ University Career Center & The President’s Promise: careers.umd.edu

“The academic structure lends itself well to prepare rigorously for research in applied mathematics because it encourages students to develop a working knowledge of not only mathematics, but also their application area...
I wanted to work with the faculty associated with the Norbert Wiener Center for Harmonic Analysis here at UMD. I was interested in applied harmonic analysis, so it felt pretty sensible to choose a program with a dedicated center for this subject!”

- Shashank Sule, PhD Student

Financial Support

Research Lab

Industry

Alumni Placement

Financial 10%

Academia 47%

Research Lab 17%

Industry 26%

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