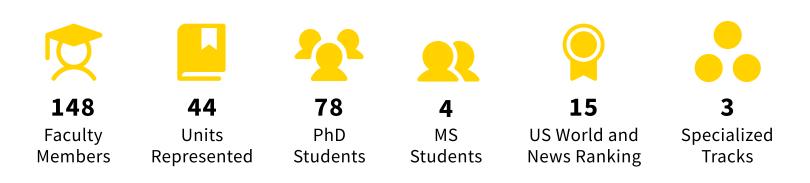


Our top-ranked AMSC graduate program opens a world of possibilities with a flexible, interdisciplinary graduate experience like no other.



#### 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.





#### 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

# Applied Mathematics and Statistics, & Scientific Computation Program



#### Why choose AMSC?

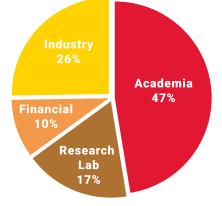
#### AMSC Graduates are going places.

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.



Alumni Placement

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: <u>https://tinyurl.com/gscams</u>
- ☑ Women in Math: <u>wim.math.umd.edu</u>
- ☑ University Career Center & The President's Promise: <u>careers.umd.edu</u>

# 🔽 Life + Wellness Support

- ☑ University Health Center: <u>health.umd.edu</u>
- ☑ University Recreation and Wellness: *recwell.umd.edu*
- ☑ Transportation Services: *transportation.umd.edu*
- Graduate Student Life Office: *go.umd.edu/gsl*
- ☑ Off-Campus Housing Services: *och.umd.edu*
- ☑ International Student & Scholar Services Office: <u>go.umd.edu/issslink</u>
- ☑ Office of Graduate Diversity and Inclusion: <u>diversity.umd.edu</u>

"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

"When I visited UMD, I was impressed by the opportunities that such an interdisciplinary program could offer...being able to combine math with other more hands-on fields was a big draw for me. It seemed that the AMSC program had a lot of areas where I could apply my research interests."

#### - Victoria Whitley, PhD Student

"I was drawn to the AMSC program by the *diverse set of research interests in the faculty.* When starting my PhD, I was largely undecided on the specific area of math I was most attracted to, and the *faculty were very helpful when discussing their work as well as directing me towards more like-minded professors...the decision to be a Terp was easy!*"

#### - Max Springer, PhD Student

(301) 405-0924 (Delta) www.amsc.umd.edu (Delta) amsc@umd.edu (Delta) @(Delta) @(Delta)