Why Systems Modeling and Analysis?
• Perform cutting edge applied research with world experts in 3 core areas: operations research, statistical sciences, and mathematical biology
• A rigorous program with an emphasis on both methodology and application

The core faculty are in 2 departments in the College of Humanities and Sciences:
• Mathematics and Applied Mathematics
• Statistical Sciences and Operations Research

Many faculty collaborate with scientists in VCU’s School of Business, School of Medicine, Health System, Life Sciences, College of Engineering, Psychology, School of Social Work, and outside of VCU

Our graduates develop a unique combination of skills that make them competitive for both industrial and academic jobs

For more information, including how to apply, visit: www.sysm.vcu.edu

Alumni

Derick Rivers, Ph.D.
“I am honored to be a part of this program; the faculty are well established and encourage [independent] thinking.”

Dr. Rivers completed his Ph.D. in 2014 with Professor Boone; he is currently a statistician for The Food and Drug Administration.

Benjamin Grannan, Ph.D.
“[The program] provides students with a theoretical and applied skill set to solve and analyze many important problems”

Dr. Grannan completed his Ph.D. in 2014 with Professor McLay; he is currently an Assistant Professor at Virginia Military Institute.

Sudarshana Srinivasan, Ph.D.
“The distinguished faculty at VCU are role models that continue to inspire me; they are all approachable.”

Dr. Srinivasan completed her Ph.D. in 2014 with Professor Brooks; she is currently a Research Scientist at Altria Client Services
Full time students are eligible for Doctoral/Graduate Assistantships that cover tuition and provide a stipend for living expenses.

Competitive applicants will have:

- An interest in the following methodologies: statistics, optimization, stochastic processes, dynamical systems, discrete mathematics, applied analysis, numerical methods.
- An interest in the following application areas: ecology, cell/neurobiology, molecular biology, computational medicine, bioinformatics, homeland security.
- An undergraduate degree in a STEM field, including but not limited to: mathematics, statistics, industrial and systems engineering.

Our program attracts many professionals in industry, we have a mixture of part-time and full time students.

For more information, including how to apply, visit: www.sysm.vcu.edu