

Academic Program

Four week period of intensive courses

- Abstract Algebra
- Real Analysis
- Topology
- Applied Mathematics
- Discrete and Computational Mathematics

Professional Development

Planning and Applying for Graduate School

- Academic career strategies
- Choosing schools and programs
- Writing resumes and statements of purpose
- Preparation for the GRE Subject Test in Mathematics

Other Activities and Skills

- Interaction with research faculty in *Inquiry Activity*
- Student presentations and mathematical exposition
- Special lectures and attendance of undergraduate research conference
- Mathematical software and technical writing



“Of course, it helped me to see the mathematics in a more effective and useful way. Now, I am sure that I do want to pursue graduate studies in mathematics.”

Opportunities at Ohio State

Students will take advantage of a large and highly-ranked mathematics department; interact with renowned research mathematicians; explore resources of a top-tier research university; and experience a vibrant metropolitan area.

Weekend activities include city tours and trips to points of interest in the vicinity, such as the National Air Force Museum (Dayton), the Center of Science and Industry (COSI), and the Columbus Zoo.



DEPARTMENT OF MATHEMATICS

SAMMS

Sampling Advanced Mathematics for Minority Students

Jointly with the University of Puerto Rico, Mayagüez

Contact

For upcoming SAMMS schedules and more information about the program visit samms.osu.edu or contact:

Sandy Masters, SAMMS

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The Ohio State University

Department of Mathematics

231 West 18th Avenue

Columbus, OH 43210, USA

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COLLEGE OF ARTS AND SCIENCES

artsandsciences.osu.edu

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THE OHIO STATE UNIVERSITY

Overview

Sampling Advanced Mathematics for Minority Students (SAMMS) is a summer school for undergraduate students considering graduate work in mathematics.

SAMMS introduces its participants to advanced mathematics through the in-depth study of carefully selected examples and topics from core areas of mathematics. The goal is to give students an appreciation of rigorous thinking, a deeper understanding of formal definitions and the ability to solve problems based on proof and exploration.

A premise of the SAMMS program is that it will enable participants to acquire true ownership of pieces of advanced mathematics as well as gain the confidence and ignite the passion necessary to pursue a more systematic curriculum in advanced subjects of mathematics.



Goals

The goal of SAMMS is to provide an opportunity for curious students to test the waters of graduate mathematics and build the confidence and passion needed to carry their mathematical studies further. We offer a curriculum covering five core areas of mathematics with classes that engage students in selected topics, practice creative problem solving, and encourage rigorous thinking.

Application & Preparations

Applicants

- Need to be enrolled as undergraduate students and should have had course work in calculus and linear algebra.
- They must be citizens or permanent residents of the United States or its territories.
- Preference given to applicants from traditionally underrepresented minorities.

For information on how to apply go to samms.osu.edu or contact:

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Department of Mathematics
The Ohio State University
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Columbus, OH 43210, USA

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Support

Invited SAMMS participants are provided with:

- Accommodation, meals, and most travel expenses.
- Office space and computer access.
- Classes guided by teaching assistants.
- Free access to recreational facilities at Ohio State.

“The program provided a rigorous form of learning. Far more rigorous than the pace at which I learn at my home institution. It opened my eyes to see the possibilities that pursuing a graduate degree in mathematics would be like.”



“I am so eager to get started in grad school!”