

University of Virginia
Department of Mathematics

Summer Program for Undergraduate Research

The purpose of the **Summer Program for Undergraduate Research** is to give mathematically talented undergraduate students an early experience with research.

Mathematicians take a long view of research. Cathedrals are built stone by stone, with the grand plan perhaps only partially glimpsed by individual workers. Mathematical theories are often constructed in similar fashion. A researcher is typically concerned with a particular question, but the effort contributes to a larger goal. Applications are ever increasing as mathematics interacts with modern computer technologies. The idea of this program is to allow students to see how this process works through one-on-one contact over a summer with a faculty member who is active in some aspect of contemporary research in theoretical or applied mathematics or statistics.

Projects are expected to be carried out in about eight weeks. Students will be paid a fellowship stipend of \$3,000 to be in residence at the University for the project period. A full-time effort is expected, and participating students should not at the same time be working or taking courses in the summer session. All University students are eligible. Each project must have a faculty supervisor who is a member of the Department of Mathematics or Department of Statistics. Upon completion, the student will write a report describing the activities of the project.

Students interested in participating in the summer of 2004 are encouraged to discuss their qualifications with some faculty member such as a former teacher. The deadline for applications is March 31, 2004.

For an application form or further information contact:

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