

Graduate Studies in Mathematics

Ph.D. Program, M.S. Program

Funding is available in the form of Graduate Teaching Assistantships



Graduate Programs

Programs are available leading to either the Master of Arts or the Master of Science in Mathematics, and to the Ph.D. in Applied Mathematics. Options are also available for earning a Master of Arts in Mathematics with Alabama Class A teaching certificate.

- The Master's Program
 - Courses
 - Plan A: 33 credit hours of approved coursework
 - Plan B: 24 credit hours of approved coursework and a thesis
 - Exams: An oral exam covering the material in this program. The preliminary exam for the Ph.D. Program can be substituted for the oral exam.
- The Ph.D. Program
 - Courses: At least 54 credit hours of approved coursework
 - Exams
 - Preliminary joint program exam
 - Comprehensive qualifying exam
 - Final oral exam/defense of dissertation

The University and The Community

- The University of Alabama in Huntsville began in 1950 as a branch of the University of Alabama at the request of scientists and engineers working on the U.S. space and rocket program. Today, as a completely autonomous campus within the University of Alabama System, UAH continues to be closely involved with the work done by NASA, the U.S. Army Missile Command and many high tech research and engineering firms in the area.
- Approximately 7,600 undergraduate students and 2,000 graduate students are enrolled at UAH. The campus is relatively large, open and green. Excellent housing and recreational facilities exist on campus and nearby.
- Huntsville is best known as a center of research in the space sciences, rocketry and advanced technologies. The presence of NASA's Marshall Space Flight Center, the U.S. Army Missile Command and other major research entities has fostered a substantial industry oriented towards research and high technology. One of the more prosperous and cosmopolitan communities in the Southeast, Huntsville is home to, among other amenities, a symphony orchestra, several community theatre groups, the Space and Rocket Museum, an art museum and a professional baseball team.

Research Area of Expertise in Math Dept.

- *applied dynamical systems*
- *combinatorics*
- *continuum and fluid mechanics*
- *Fourier analysis*
- *functional analysis*
- *Operator theory*
- *p-adic analysis*
- *generalized functions*
- *graph theory*
- *linear algebra*
- *mathematical biology*
- *mathematical modeling*
- *matrix theory*
- *nonlinear operator theory*
- *numerical analysis*
- *ordinary and partial differential equations*
- *probability*
- *stochastic processes*

Admission and Applications of Teaching/Research Assistantships

- Apply to the UAH Graduate School for admission to the Graduate Program, Details may be found in the website for the Graduate School.
- Fill out the Application for Graduate Teaching or Research Assistantship, and
- Have three qualified people write letters of reference supporting your application for assistantship. These letters should address your potential for graduate work in mathematics and your potential for teaching or tutoring undergraduate students.

The Application for Assistantship and the letters of reference should be sent to:
Graduate Program Director
 Department of Mathematical Sciences
 University of Alabama in Huntsville, Shelby Center 258A
 Huntsville, Alabama 35899

Contact: Dr. Toka Diagana, Chair, 256.824.6470 , toka.diagana@uah.edu
 Shelby Center for Science & Technology, 301 Sparkman Drive, Huntsville, AL 35899, mathchair@uah.edu