Thank you for your interest in our programs here at The University of Tennessee. We invite you to contact us with any questions you may have about our degree programs, assistantships, or research.

Our web site offers more in-depth information about our Department, our University, online assistantship application, Graduate Admissions, and fellowships.

www.math.utk.edu/grad/

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services.

www.math.utk.edu/grad/
P#: E01-1052-005-15
A MESSAGE FROM OUR DEPARTMENT HEAD...

Thank you for your interest in the graduate mathematics program at the University of Tennessee.

The UT Math Department pursues internationally recognized, cutting-edge research, while maintaining a welcoming graduate program that aims to move a broad spectrum of students from the endpoint of their prior education to the forefront of mathematical research. Job placement of our graduate degree recipients is nearly 100%, including professorships at research universities and small colleges, postdoctoral and lecturer positions at major universities, as well as positions in government labs and industry.

RESEARCH AREAS

Candidates for graduate degrees in our program may specialize in any of the following fields: algebra, analysis, computational & applied math, differential equations, mathematical biology, probability/stochastics, and topology/geometry. Specializations within those fields include algebraic geometry, algebraic topology, commutative algebra, complex analysis, computational math & modeling, continuum mechanics, differential geometry, functional analysis, geometric topology, harmonic analysis, mathematical ecology/biology, mathematical physics, number theory, numerical analysis, partial differential equations, stochastic processes, stochastic differential equations, and scientific computing.

An expanded and more detailed research list is available on our website at [www.math.utk.edu](http://www.math.utk.edu).

EMPLOYMENT

Recent PhD graduates have accepted postdoctoral, tenure-track, and industrial positions. Academic employers include schools such as Appalachian State University, Brigham Young University, Eastern Kentucky University, Louisiana State University, Maryville College, Middle Tennessee State University, Ohio State University, Tennessee Technological University, University of Connecticut, University of Pittsburgh, University of West Florida, and University of North Carolina-Greensboro, Wofford College, to name a few. Industrial and government jobs have included BB&T Bank, Equifax, NSA, U.S. Navy, consulting firms, DOE, and technology companies.

Masters graduates have accepted teaching positions at high schools, community colleges, and universities. Industrial positions have included careers with companies such as the Census Bureau, Consumer Product Safety Commission, DOE, HAVI Global Solutions, Milliken, Naval Surface Warfare Center, and NSA.

ABOUT KNOXVILLE

We are located along the Tennessee River in the eastern portion of the state. Nestled between the Great Smoky and Cumberland Mountain ranges and conveniently located where interstates I-40 and I-75 merge. We are just a short drive from The Great Smoky Mountains and Gatlinburg. Knoxville offers a combination of outdoor activities, spectator sports, and water recreation on the many nearby lakes and rivers, as well as cultural attractions.
Master of Science (MS)

Designed for students interested in a career in industry or teaching.

The MS degree is available in both pure and applied mathematics. Students may choose from a broad range of research areas and have the choice of either a thesis, non-thesis, or course-work only option.

The Department also offers an MS concentration in applied mathematics. This structured program is intended to prepare students for careers primarily in industry or government.

Graduate Minors

Graduate minors are also available in Computational Science and Statistics.

Master of Mathematics (MM)

Now available online, this program was designed for students who would like to teach at either a high school or community college. This degree requires neither a thesis nor a project.

DEGREES OFFERED

Students are encouraged to choose broadly based programs in pure and/or applied mathematics. Careful faculty advising helps students select courses at the appropriate level for their graduate course work. Small graduate classes permit individual attention. Students benefit from close contacts between the Mathematics Department and the Oak Ridge National Laboratory.

Doctor of Philosophy (PhD)

Designed for students who are interested in teaching and/or research careers in higher education, industry, and government.

Candidates for the Doctor of Philosophy degree must develop a broad background in mathematics as well as an intense specialization in their chosen research area. In addition to the standard coursework, PhD students must pass 2 written preliminary examinations, an oral specialty examination, and write a dissertation.

The Department also offers a PhD Concentration in Mathematical Ecology/Evolution.

STUDENT COMMENTS

After visiting UT, I knew this was the school for me. Not only were the professors approachable and the graduate students friendly, but the area is beautiful. My five years at UT only solidified these beliefs. It was the best place to learn mathematics, surrounded by the amazing family in the Math Department. - Ashley Rand

UT offers a rigorous research atmosphere coupled with invaluable teaching experience. The family-like relationship among peers has made the math graduate program a unique and invaluable part of my life. - Fei Xing

As an incoming student, one concern I had was how competitive the atmosphere would be. I was pleasantly surprised at the camaraderie, which is developed due to the atmosphere the department sets into place. Throughout my career here, I have enjoyed a truly awesome learning experience amplified by the collaboration with fellow students and professors alike. - Amanda Diegel

Each professor here has a tremendous wealth of knowledge which they are always willing to share with eager students. - Jimmy Sunkes

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Smoky Mountains
ASSISTANTSHIPS

Graduate teaching assistantships (GTAs) offer graduate students the chance to gain valuable teaching experience while earning their masters or PhD degree. Assistantships provide students with a monthly stipend, tuition waiver, and health insurance.

Students who are awarded a GTA position can expect to receive continued support as long as academic progress is maintained and teaching or other assigned responsibilities are met.

Applications received by February 1st will receive primary consideration on a competitive basis for GTA positions for the following academic year. Applicants are also automatically considered for any departmental awards that are available, if their application is complete by the February 1 deadline.

Learn more, and apply for admission and assistantship online, at www.math.utk.edu/grad/.

ADDITIONAL FINANCIAL SUPPORT

Additional awards such as Science Alliance Associateships, Dryzer Awards, and research assistantships are available through the department to students. Mathematics students may also compete for fellowships which are administered directly by the Graduate School and which may be combined with a graduate teaching position. Faculty grants and contracts from DOE, NSF, and Oak Ridge National Laboratories also support several graduate students in the Department of Mathematics.

FELLOWSHIPS

Several university fellowships are available for new graduate students interested in programs within the mathematics realm. These fellowships offer tuition waivers and stipends up to $30,000 per year. Other Graduate School fellowships may also be viewed at gradschool.utk.edu/gradfund.shtml.

For more information, and to see if you qualify, please review the links below:

*PEER: web.utk.edu/~peer
*Graduate Fellowships: gradschool.utk.edu/fellowships.shtml

HOUSING

Knoxville has a low cost of living as well as an abundance of apartments and housing options. For more information about housing, please look over the following links:

www.knoxapts.com
knoxville.apartments.com
www.rent.com
www.apartmentratings.com
rentals.com

ADMISSIONS

The Graduate & International Admissions Office handles all graduate admissions submitted to The University of Tennessee. Their online admission application may be found at graduateadmissions.utk.edu/.

Please note that the Math Department Assistantship Application is now a supplemental form within the Graduate Admissions application.

International students should pay particular attention to deadline dates since these dates may impact your admission to our program.