

DEPARTMENT OF MATHEMATICS GRADUATE PROGRAMS



**THE OHIO STATE
UNIVERSITY**

COLLEGE OF ARTS
AND SCIENCES



Doctoral (PhD) Program

The Ohio State University is home to one of the largest and most renowned mathematics departments in the country. Over eighty active graduate faculty on the Columbus and regional campuses are available to guide dissertation research in virtually every area of mathematics. Highlights of its research program include the NSF-funded Mathematical Biosciences Institute as well as an NSF Research Training Group grant in Pure and Applied Topology. Further prominent areas include number theory, ergodic theory, algebraic and differential geometry, combinatorics, computational mathematics, and a wide range of analysis based subfields.

Two thirds of our PhD graduates this year won competitive research post-doctoral positions at renowned US schools such as UCLA, Northwestern, Brown, and Michigan, as well as top European schools in Germany, Austria, and Switzerland. Our program also includes preparatory activities for careers in industry, which has benefited other students who have gone on to jobs in the private and government sectors.

Master of Mathematical Sciences (MMS) Program

The MMS is a professionally oriented, two-year master's program that emphasizes practical experiences, interdisciplinary mentoring and thesis research. Projects and curricula have been designed and are offered in collaboration with numerous partner units at Ohio State. The current MMS specialization tracks are: Biosciences, Education, and Computation.

Graduates find R&D-oriented jobs in industry and the public sector, along with challenging opportunities in education, and are accepted to competitive interdisciplinary doctoral programs.

Master of Actuarial and Quantitative Risk Management (MAQRM) Program

The MAQRM degree program provides a unique combination of modern mathematical finance and actuarial-risk management. These two areas have become increasingly intertwined, creating a demand for graduates who have acquired expertise in both. The curriculum includes innovative courses in risk management and financial stochastic calculus, along with the more traditional skill-training in actuarial science, financial economics, statistics and numerical analysis.

The program utilizes well-established connections to the statewide insurance industry and other businesses involved in risk management that create practical experiences and provide additional mentoring during the program's two years of study, as well as establishing connections for future job placements of graduates.

Support

All PhD and MMS students in good standing are offered financial aid in the form of nine-month teaching associateships. Numerous funding opportunities without teaching duties include beginning- and dissertation-year fellowships for competitive students and students with diverse backgrounds; departmental semester-long fellowships in subsequent years; research associateships from various external sources; and various sources of summer support.

All graduate associateships and fellowships come with a competitive stipend, full tuition waiver and health insurance subsidy. MAQRM students are responsible for their own subsistence and tuition costs.

**Autumn Admission
Application Deadline
December 15**

Application Fee: \$5
math.osu.edu/grad/apply

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