Doctoral (PhD) Program

The Ohio State University is home to one of the largest and most renowned mathematics departments in the country. Eighty-five active graduate faculty on the Columbus and regional campuses are available to guide dissertation research in virtually every area of mathematics. Ohio State’s research program in the mathematical sciences is ranked third for National Science Foundation funding, which includes the Mathematical Biosciences Institute, as well as the Research Training Group grant in Pure and Applied Topology. Other prominent areas include, number theory, ergodic theory, algebraic and differential geometry, combinatorics and many subfields of analysis.

Recent graduates won research post-doctoral positions at Princeton, Yale, University of Chicago, Cal-Tech, Michigan, Minnesota, Brown, University of Texas, Duke, and top European universities. Many graduates go on to rewarding careers in academia, government agencies or private industry.

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 Graduate Teaching Associateships as default. Additional off-teaching funding opportunities include, beginning-and dissertation-year fellowships for competitive students or students with diverse backgrounds; RTG and departmental semester-long fellowships in subsequent years; selected Graduate Research Associateships; 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.