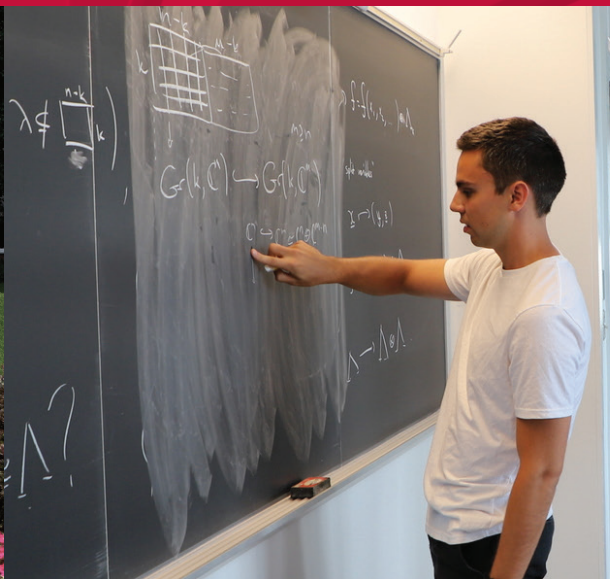


DEPARTMENT OF MATHEMATICS

Doctoral Program



THE OHIO STATE
UNIVERSITY
COLLEGE OF ARTS
AND SCIENCES



Academic Profile

Over eighty active graduate faculty on the Columbus and regional campuses are available to guide dissertation research. Virtually every area of theoretical mathematics is represented in our program, including number theory, ergodic theory, algebraic and differential geometry, combinatorics, foundational math, real and complex analysis, differential equations, topology, and various algebraic subfields. Prominent areas in applied mathematics are mathematical biology, topological data analysis, scientific computing, and fluid dynamics.

Preparations and Tracks

Prospective students can choose between the *theoretical track* and the *applied track* in their applications to our PhD program.

The tracks differ in their first- and second-year course requirements but later merge to provide the same research opportunities. Applicants for the theoretical track should have completed year-long sequences in real analysis and abstract algebra, and those for the applied track are expected to have had at least one-semester courses in real analysis, advanced linear algebra, and computational science.

Training and Outcomes

Our graduate program fosters a highly active research environment in which students are introduced to cutting edge research topics, routinely publish papers, forge collaborations, travel to conferences, and organize their own research seminars. The majority of our recent PhD graduates have placed in competitive post-doctoral positions at strong research schools. Examples from recent years include IAS Princeton, Stanford, UCLA, UCSD, ETH-Zürich, Brown, Michigan, and Northwestern, as well as many other renowned state and international universities. Students interested in non-academic careers benefit from an industry-oriented lecture series and further professional training organized by our Erdős Institute. Recent non-academic placements include Google, Facebook, Amazon, NSA, and prestigious financial institutions.

Mentoring and Student Community

Our program places a strong emphasis on mentoring at all levels, following best practices of the National Math Alliance. Besides their formal academic advisors, beginning doctoral students are assigned faculty and peer mentors as desired who will coach them through their transition into graduate school. Our lively and collaborative graduate student community includes active student chapters of the AWM and SIAM, local student groups such as our Math Grad Student Association and our LGBTQ+ Math Alliance, as well as numerous student organized seminars and working groups.

Support

All doctoral students in good standing are guaranteed support as Graduate Teaching Associates for at least six years. Numerous funding opportunities without teaching duties include university fellowships as well as departmental and grant funded research associateships. Each semester, about 40% of our PhD students are supported on average through positions without teaching duties, allowing them to focus entirely on research.

Department of Mathematics
Graduate Office
102 Mathematics Building
231 West 18th Avenue
Columbus, OH 43210

Email: grad-info@math.osu.edu
Phone: 614-292-6274

math.osu.edu/grad/future



Scan the code with your
smartphone's camera to
easily access website

