

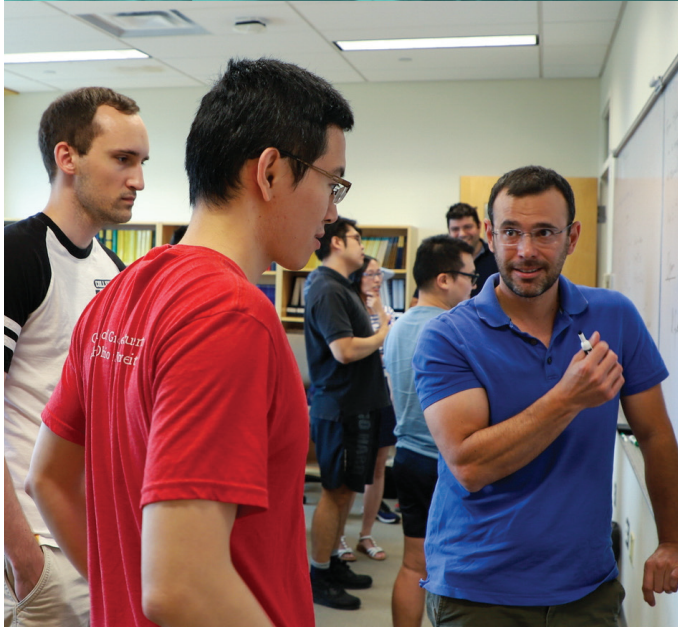
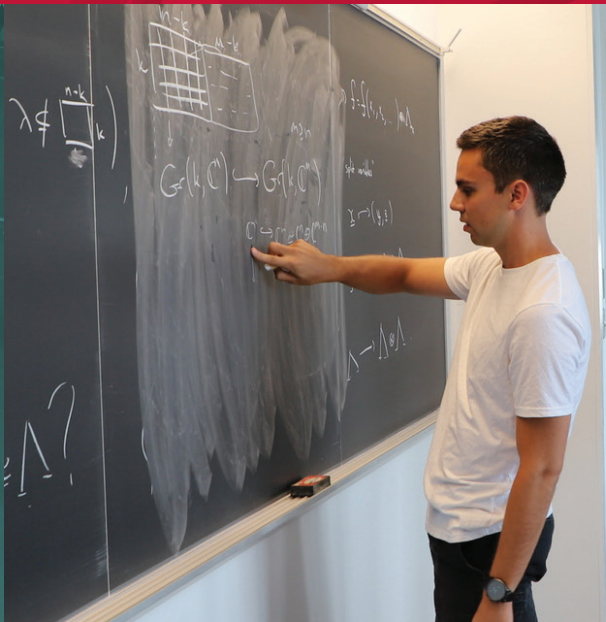
DEPARTMENT OF MATHEMATICS

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 in virtually every area of mathematics. Highlights of our program include an NSF Research Training Group grant in Pure and Applied Topology as well as the Mathematical Biosciences Institute. Further prominent areas include number theory, ergodic theory, algebraic and differential geometry, combinatorics, computational mathematics, math biology and a wide range of analysis-related subfields.

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 and supports 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 placed in competitive post-doctoral positions at strong research schools. Examples from the past two years include Stanford, UCLA, ETH-Zürich, Brown, Michigan and Northwestern, as well as several 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* as well as exposure to innovative teaching philosophies and technologies.

Student Community

Our Math Grad Student Association, active student chapters of the AWM and SIAM, numerous working groups and a student colloquium support our collaborative student community through a wide range of academic and social activities. Beginning doctoral students may choose to have a faculty mentor assigned who will coach them through their transition into graduate school as needed following best practices of the National Math Alliance.

Support

All doctoral students in good standing are guaranteed support as Graduate Teaching Associates. Numerous funding opportunities without teaching duties include university fellowships awarded to incoming students, departmental semester-long fellowships for continuing students and research associateships from various external sources. In each semester, about 40% of PhD students are supported on Graduate Research Associateships or fellowships without teaching duties.

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