Recommended Programs of Study

If you are interested in PhD research in any of the following areas, please consult with the listed faculty members for their advice about recommended programs of study.

Algebraic Geometry
Sándor Kovács, Max Lieblich

Algebraic Topology
Ethan Devinatz, Steve Mitchell, John Palmieri

Combinatorics
Sara Billey, Ioana Dumitriu, Chris Hoffman, Monty McGovern, Isabella Novik

Complex Analysis
Don Marshall, Steffen Rohde

Differential Geometry and Partial Differential Equations
Tom Duchamp, Jerry Folland, Robin Graham, Jack Lee, James Morrow, Dan Pollack, Hart Smith, John Sylvester, Tatiana Toro, Gunther Uhlmann, Yu Yuan

Noncommutative Algebra
S. Paul Smith, James Zhang

Non-Smooth Analysis
Don Marshall (Complex Analysis), Steffen Rohde (Complex Analysis & Probability), Boris Solomyak (Fractal Geometry & Ergodic Theory), Tatiana Toro (Geometric Measure Theory)

Number Theory
Ralph Greenberg, Neal Koblitz, William Stein, Bianca Viray

Numerical Analysis
Ken Bube, Ioana Dumitriu

Optimization
Jim Burke, Dima Drusvyatskiy, Thomas Rothvoss, Rekha Thomas

Probability
Chris Burdzy, Zhen-Qing Chen, Ioana Dumitriu, Chris Hoffman, Hari Narayanan, Soumik Pal, Steffen Rohde

Representation Theory
David Collingwood, Ronald Irving, Monty McGovern, Julia Pevtsova, S. Paul Smith