RISE AT OBERLIN
RESEARCH. INTERNSHIPS. STUDY AWAY. EXPERIENTIAL LEARNING.

WAYS MATHEMATICS MAJORS RISE

RESEARCH:
• Minimalist approaches to figurative maze design
• Budyko-Sellers energy balance climate model with ice line coupling
• Designing Game of Life mosaics with integer programming
• Fractals in the 3-body problem via symplectic integration
• Connected sum at infinity and 4-manifolds
• Double branched covers of theta-curves
• Representational random walks
• Organic 3D mesh creation through particle-based physics simulation

INTERNSHIPS:
• Research Experience for Undergraduates, University of California, Berkeley: geometry and topology
• Research Experience for Undergraduates, Harvard University: mathematical modeling of swarms
• Research Experience for Undergraduates, Hubbard Brook Foundation: algorithmic musical composition
• National Transportation Systems Center, Cambridge, Mass.: economic analysis
• Amazon, Seattle: software engineering

STUDY AWAY:
• Budapest Semester in Mathematics, Hungary
• Math in Moscow, Russia
• Oxford University, England
• London School of Economics, England

EXPERIENTIAL LEARNING:
• Peer and community tutoring opportunities
• Projects for honors, classes, and winter term

FUN!
• Monthly pizza lunches, Putnam competition, Pi Day pie eating, weekly tea and cookies, lectures

FIRST DESTINATIONS OF RECENT MATH MAJORS:
• Graduate Schools: PhD in mathematics, University of Chicago; PhD in algorithms, combinatorics, and optimization, Georgia Tech; PhD in neuroscience, Princeton University; MS in statistics, Columbia University; PhD in economics, Georgetown University; PhD in computational and mathematical engineering, Stanford University; PhD in mathematics, University of Michigan
• Positions: software engineer, Google; economic analyst, Federal Reserve Bank; data analyst, Nestio; private high school teacher, D.C.; marketing analyst, POPSHIP; front end developer, Dakota Software

CONTACT:
Professor Kevin Woods, chair: Kevin.Woods@oberlin.edu

DEPARTMENT OF MATHEMATICS
10 N. Professor St., Oberlin, OH 44074
W: www.oberlin.edu/mathematics  E: mathematics@oberlin.edu  P: 440-775-8380