

Mathematics



When you study mathematics at Westmont you actively participate in your learning and work closely with both students and professors.

You belong to a supportive community of mathematicians becoming fluent in the language of the natural world. You look beyond numbers and formulas to abstract patterns, using your imagination and stretching your creativity. As you develop deeper understanding of the fundamentals of mathematics, you'll become a well-educated and well-rounded person. Through your classes and work on research projects, you'll gain knowledge and skills that make you a better thinker and communicator and prepare you for interesting and rewarding careers.

SELECTED COURSES

- Calculus
- Discrete Mathematics
- Linear Algebra
- Real Analysis
- Complex Analysis
- Probability and Statistics
- Numerical Analysis
- Mathematics of Music

MINOR OPTION: Applied Mathematics Minor

CAREER PATHS

- Finance
- Accounting
- Education
- Software Development
- Biomedical Research
- Medicine
- Linguistics
- Law
- Operations Research
- Systems Analysis

FACULTY HIGHLIGHTS



ANNA ABOUD, PH.D.

Pursues effective and efficient processes in mathematics, data science, and mathematics education



RUSSELL W. HOWELL, PH.D.

Views mathematics through the eyes of faith



DAVID HUNTER, PH.D.

Looks for ways to improve the teaching of mathematics



PATTI HUNTER, PH.D.

Studies the history of mathematics and science



MARYKE VAN DER WALT, PH.D.

A mathematician and musician who applies data science to diabetes

OPPORTUNITIES



- Study Abroad: South Africa Mayterm, Budapest Semester in Mathematics
- Outreach: Mathematics Field Day - High School Mathematics Competition
- Research: Summer Research with faculty. Recent faculty projects include (social) segregation services, blood glucose prediction and randomly-generated functions of complex numbers

ALUMNI

Heather Totten '19 is an Information Security Operations Analyst at Tempus Labs, Inc.

Amy Armento Lee '09 is a Quantitative UX researcher at Google. After completing her Math BS at Westmont, she completed her MS in Biostatistics at Columbia University.

Kyle Bechler '06 works as a data scientist with CBRE in Santa Barbara. In 2015, he completed his doctorate in statistics at UC Santa Barbara. His areas of expertise include predictive modeling, machine learning, leveraged credit, and financial modeling.

Manuel Reyes '05 is an Associate Professor of Mathematics at UC Irving. He gave the 2022 American Mathematical Society and Mathematical Association of America Joint Invited Address on "How Noncommutative Algebra Points Toward Quantum Geometry."

Olivia Hughes '17 is an epidemiologist at ICON plc. After completing her Math BS at Westmont, she completed her MS in Biostatistics at Harvard T.H. Chan School of Public Health.



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