

What Can I Do With a Major in Mathematics?



Harvey Mudd College mathematics alumni went on to the following organizations and universities between 2021 and 2025.

Job Titles

Analyst	Data Analyst	Project Coordinator	Research Technician	Software Engineer
Assistant Quantitative Trader	Junior AI Research Engineer	Quantitative Researcher	Schmidt Scholar	Solutions Engineering Analyst
Associate	Postbaccalaureate IRTA	Research Specialist	Software Developer	Technology Consultant
Computational Biologist				

Employers

Adobe	Deloitte	Goldman Sachs	National Institutes of Health	Wells Fargo
Baylor College of Medicine	EasyPost	Jane Street	Qualtrics	
Caltech	EKN Engineering	Jump Trading	Stanford University	
Deliver-It	Ellison Institute of Technology	Microsoft	Weill Cornell Medicine	

Graduate Schools

Baylor College of Medicine	Erasmus Mundus Joint Masters	Purdue University	University of California, Riverside	University of Southern California
California State University, East Bay	Georgia Institute of Technology	Stanford University	University of California, San Diego	University of Washington
Case Western Reserve University	Iowa State University	University of Arizona	University of Chicago	University of Washington
Colorado School of Mines	Northwestern University	University of California, Berkeley	University of Illinois Chicago	Weill Cornell Graduate School of Medical Sciences
Cornell University	Ohio State University	University of California, Irvine	University of Michigan	Youngstown State University
Emory University	Princeton University	University of California, Los Angeles	University of Minnesota	

Summer Employers

Amazon Web Services	Institute for Computational and Experimental Research in Mathematics	Northwestern University	The Fields Institute*	University of Notre Dame
Bloomberg L.P.*	Iowa State University	NYU Grossman School of Medicine	The Getty Foundation	University of Virginia
Bryn Mawr College*	Island Lake Camp*	Perimeter Institute	The University of Texas at Tyler	University of Washington
East Tennessee State University	Jane Street	Raytheon Technologies	Tutorfly*	Washington University in Saint Louis
Explo*	Johns Hopkins Center for Talented Youth	Santa Fe Institute	University of California, Irvine	William & Mary*
Facebook	Jump Trading	SLMath (Mathematical Sciences Research Institute)	University of California, Los Angeles	Williams College
Genji Analytics*	Kent State University	St. Francis High School*	University of Michigan-Dearborn	
Georgia Institute of Technology	Lucy Parsons Labs	Texas A&M	University of Minnesota	
Grampari Rural and Ecology Center*		Texas State University	Twin Cities	
iD Tech*				

**companies that hired first-year students*

Here are a few areas that may interest a mathematics major.

Area

Employers

INDUSTRY

Research and development
Design
Data processing
Testing
Operations
Quality control
Statistical processing control
Environmental analysis
Consulting

Manufacturing
Transportation
Aerospace
Communications
Machinery
Electrical equipment
Pharmaceuticals
Consulting firms

MARKET RESEARCH

Data collection
Information analysis

Market research firms
Consumer goods manufacturing firms

BANKING

Branch management
Credit lending
Operations
Systems
Trusts

Commercial banks
Regional banks
Savings and loan associations
Credit unions

What You Can Do Now

- Gain experience through volunteering, internships and part-time or summer jobs.
- Develop good oral and written communication skills.
- Supplement curriculum with courses in business, economics, computers or statistics for increased job opportunities.
- Build relationships with faculty by conducting research.
- Develop the ability to work well in teams.
- Talk to professionals in areas of interest to enhance knowledge and make contacts.
- Join related student professional associations and seek leadership positions.

What You Can Do After Graduation

- An undergraduate degree is often sufficient for entry-level positions, but an advanced degree may open the door to more upper-level opportunities. Pair a strong background in mathematics with another technical discipline such as computer science or engineering.
- A master's degree in math, business or related fields will be helpful for advanced positions or for consulting jobs.
- A PhD is needed for academic positions and certain areas of research.

