What Can I Do With a Major in Mathematics?

Below is a list of job titles, employers and graduate schools that Harvey Mudd College mathematics alumni have chosen in the last five years.

### Job Titles

- Analyst
- Applied Scientist
- Associate Consultant
- Associate product Manager
- Consultant
- Data and Policy Analyst
- Statistical Programmer
- Applied Scientist
- Associate Consultant
- Data Engineer
- Associate product Manager
- Machine Learning Engineer
- Mathematician
- Native App Developer
- Program Coordinator
- Programmer
- Quantitative Analyst
- Research Analyst
- Research Associate
- Schmidt Scholar
- Senior Perception Engineer
- Software Developer
- Software Engineer
- Solutions Engineer
- Spacecraft Systems Test Engineer
- Technical Services Engineer
- Trade Developer
- Trader

### Employers

- Acumen LLC
- Affirm
- Airbnb
- Allston Trading
- Amazon
- Apple
- Argus
- Art of Problem Solving
- Aspiration
- Astranis
- Bain & Company
- Blacktop Government Solutions
- Blend
- Bowers & Wilkins
- Brattle Group
- Broad Institute
- Caltech
- Capital Group
- Citadel
- Citi
- Civis Analytics
- Cruise Automation
- Databricks Inc.
- Datadog
- Deallus Consulting
- Delphi
- EdTech
- Epic
- FiveStars
- Google
- Green Hills Software
- Gusto
- Harvey Mudd College
- IMC Financial Markets
- Indeed Inc.
- Intuit
- Jane Street Capital
- Laserfiche
- Liferay Inc.
- LinkedIn
- Lyft
- Massachusetts General Hospital Institute for Technology Assessment
- Meta
- Microsoft Corporation
- Morgan Stanley
- NASA Ames Research Center
- National Security Agency
- Nvidia
- Okta
- Opera Solutions
- Originere
- Pacific Northwest National Laboratory
- Peace Corps (Volunteer)
- Pivotal
- Plaid
- Planetary Science Institute
- PredPol Inc.
- Project N
- Pure Storage
- Reasoning Mind
- Remitly
- Stripe
- Supplifyframe
- Susquehanna International Group
- Symbio Robotics
- Teach for America
- UberMedia
- Unifyld
- Veeva Systems
-VmWare
- Workday
- Yelp
- Zillow Group
- Ziprecruiter

### Starting Salary Summary

<table>
<thead>
<tr>
<th>High Salary Range</th>
<th>Low Salary Range</th>
<th>Median Salary Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>$100,000–$150,000</td>
<td>$50,000–$79,999</td>
<td>$95,000–$99,999</td>
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</tbody>
</table>

### Graduate Schools

- Brown University
- Cambridge University
- Carnegie Mellon University
- Claremont Graduate University
- Cornell University
- Duke University
- Emory University
- Harvard University
- Massachusetts Institute of Technology
- New York University
- Northeastern University
- Northwestern University
- Oregon State University
- Pennsylvania State University
- Princeton University
- Stanford University
- Stanford University School of Education
- Stony Brook University
- The College of William and Mary
- University of British Columbia
- University of California, Berkeley
- University of California, Davis
- School of Veterinary Medicine
- University of California, Irvine
- University of California, Los Angeles
- University of California, San Diego
- University of California, Santa Barbara
- University of California, Santa Cruz
- University of Chicago
- University of Illinois
- University of Maryland
- University of Massachusetts, Amherst
- University of Michigan
- University of Minnesota
- University of Oregon
- University of Pennsylvania
- University of Southern California
- University of Texas at Austin
- University of Washington
- University of Wisconsin
- Vanderbilt University
- Washington State University
- Yale

### Summer Employers

- Airbnb
- Amazon
- Antares Audio Tech*
- Caltech (REU)
- Carnegie Mellon University (REU)*
- Citadel
- City of Hope
- City of Los Angeles
- Digipen Institute of Technology*
- DIRECTV
- Electronic Arts*
- Facebook
- FirstBank*
- Google*
- GreenLight Biosciences*
- Harvard University (REU)
- Inrix
- InstaMed
- Intel*
Here are just a few areas that may interest a mathematics major.

**Area**

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

**MARKET RESEARCH**
Data collection
Information analysis

**BANKING**
Branch management
Credit lending
Operations
Systems
Trusts

**Employers**

**INDUSTRY**
Manufacturing
Transportation
Aerospace
Communications
Machinery
Electrical equipment
Pharmaceuticals
Consulting firms

**MARKET RESEARCH**
Market research firms
Consumer goods manufacturing firms

**BANKING**
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.