BYU MATH

71% Employed at Graduation

91% Employed in 3 Months

100% Employed in 6 Months

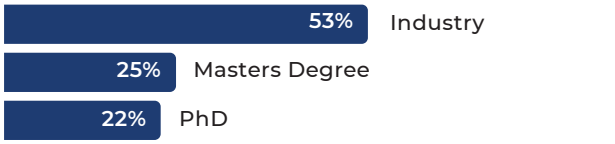
Math alumni who have worked in academia: **150+** **(5.4%)**

Applied & Pure Explorations in Math (APEX)

$70k
Median Starting Salary

40%
of Math majors choose general Math

After graduation, Mathematics students go into:



Graduate Schools

- Berkeley
- BYU
- Columbia
- Cornell
- Dartmouth
- Duke
- MIT
- New York University
- Oxford
- Princeton
- Stanford
- UCLA
- University of Chicago
- University of Michigan
- Univ. of Pennsylvania
- Yale

Grad School Majors

- ComputerScience
- Economics
- Finance
- Law
- Mathematics
- Mathematic Teaching
- Medicine
- Statistics

Employers

- Capital One
- Cornerstone Research
- Family Search
- FBI
- Federal Reserve Board
- Fidelity Investments
- General Motors
- Goldman Sachs
- Lawrence Livermore National Lab
- Lucid
- McKinsey & Company
- Microsoft
- NSA
- Qualtrics
- Tampa Bay Rays
- The Church of Jesus Christ of Latter-day Saints
- Vivint
- Zions Bank

Jobs

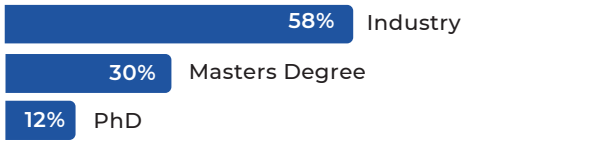
- Actuarial Analyst
- Bioinformatics
- Biostatistics
- Business Analyst
- Cyber Security
- Data Analyst
- Data Architect
- Economic Analyst
- Financial Analyst
- Management Consulting
- Math Professor
- Math Teacher
- Product Development
- Quantitative Analyst
- Software Engineer
- Software Testing
- Systems Engineer

Applied & Computational Mathematics Emphasis (ACME)

$85k
Median Starting Salary

60%
of Math majors choose ACME

After graduation, ACME students go into:



Graduate Schools

- Berkeley
- BYU
- Carnegie Mellon
- Duke
- Georgia Tech
- Harvard
- Johns Hopkins
- Northwestern
- Rice
- UCLA
- UNC Chapel Hill
- University of Chicago
- University of Michigan
- UT Austin
- Yale

Grad School Majors

- Computer Science
- Computational Science
- Electrical Engineering
- Economics
- Mathematics
- Math Teaching
- Statistics

Employers

- Amazon
- Ancestry
- Apple
- CIA
- Ernst and Young
- eTrade
- Facebook
- Goldman Sachs
- Google
- Intel
- IHC
- KPMG
- Microsoft
- Morgan Stanley
- NSA
- Raytheon
- Recursive Analytics
- Sandia National Lab
- The Church of Jesus Christ of Latter-day Saints
- Wells Fargo

Jobs

- Actuarial Analyst
- Bioinformatics
- Biomedical Researcher
- Biostatistics
- Cyber Security
- Data Architect
- Data Engineer
- Data Scientist
- Economic Analyst
- Financial Analyst
- Machine Learning Engineer
- Management Consultant
- Math Professor/Teacher
- Product Development
- Quantitative Analyst
- Signal Processing
- Software Engineer
- Software Testing
- Systems Engineer

For more information on careers, internships, and job placements contact: allies@mathematics.byu.edu

Why Math?

Careers and Grad School:

- "The top 15 highest-earning college degrees all have Math in common - Julianne Peptone, CNNMoney, 2009
- "Overall employment in math occupations is projected to grow much faster than the average for all occupations from 2024 to 2034." — U.S. Bureau of Labor Statistics

Top 5 University for Math Undergraduate Research & Internships:

- Internship Placements: 96 (2025)
- (original research) Research Assistantships: 141 (2026)
- CURM was founded at BYU with a $2.5 million grant to help universities build stronger mentored undergraduate research by equipping faculty with the training and support they need.

Why BYU Math?

Helping Students Succeed in the faculty's #1 goal:

- Faculty are top of their research fields, but teaching is top priority
  - 2 Haimo National Teaching Award Winners
  - Four Fulbright Scholars
  - 2 Karl G. Maeser Excellence in Teaching Awards (Highest Teaching Honor at BYU)
  - Faculty Women's Association Teaching Award (2023)
  - "Outstanding Teaching Award" by the Intermountain Section of the Mathematical Association of America (2023)

Skills

- Practice finding the root of the problem
- Exploring new ways to think about old problems
- Working with a problem until you understand it
- Ability to interpret data programming skills
- Problem solving, analytical attitude, resilience

Pathway to Becoming a Math Major (APEX or ACME) or Minor

The Math major is designed with flexibility and breadth in mind to allow you to create a customized pathway into industry or academia.

Begin with these required classes:

- Math 290- Fundamentals of Mathematics
- Math 112- Calculus 1
- Math 113- Calculus 2
- Math 213/215- Linear Algebra

Reach out to an advisor at: ugradassistant@mathematics.byu.edu for more information.

Required Classes for a Math Minor:

- Math 290- Fundamentals of Mathematics
- Math 112- Calculus 1
- Math 113- Calculus 2
- Math 213/215- Linear Algebra
- Math 314 - Calculus of Several Variables (or Math 302 - Math for Engineering)
- One Elective Math class

Interested in ACME?

ACME combines math, programming, and data science. It operates as a cohort in the junior and senior years. It is designed to prepare you to solve real-world problems in industry. Because ACME is interdisciplinary, talking to an advisor is the best way to see if it's a good fit for you. Email: acmeasst@math.byu.edu to set up an appointment.

Interested in APEX?

APEX is the more traditional Math major, allowing students to explore topics in depth. It requires fewer math credits, making it easier to double major or pursue additional interests. Students also have more flexibility for undergraduate research and graduate school preparation.

If APEX interests you, schedule an appt ugradassistant@math.byu.edu