

CAREERS FOR MATH MAJORS

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#1

**YOU'VE
GOT
WHAT
EMPLOYERS
WANT**

WHAT EMPLOYERS LOOK FOR IN A CANDIDATE?

ANALYTICAL & CRITICAL THINKING

- Defining and formulating problems
- Interpreting data and evaluating results
- Understanding patterns and structures
- Critical analysis and quantitative thinking

RESEARCH

- Applying Theoretical Approaches to research problems
- Analyzing and interpreting statistics

COMMUNICATIONS

- Computer modeling
- Writing
- Explaining complex concepts

#2

**THE
TOP
CAREERS
BELONG
TO
MATH
MAJORS**

TOP CAREERS

CareerCast.com 2019

1. Data Scientist

Projected Growth:19.00%



2. Statistician

Projected Growth:33.00%



TOP CAREERS

CareerCast.com 2019

3. University Professor

Projected Growth: 15.00%



7. Information Security Analyst

Projected Growth: 28.00%



TOP CAREERS

Careercast.com 2019

8. **Mathematician**

Overall Rating:127

Projected Growth:33.00%



9. **Operations Research Analyst**

Projected Growth:27.00%



TOP CAREERS

CareerCast.com 2019

10. **Actuary**

Projected Growth: 22.00%



#3

**SALARIES
AREN'T
BAD**

SALARIES

- 15 Most Valuable College Majors – Forbes
 - 8 College Degrees That Will Earn Your Money Back – Salary.com
-

DATA SCIENTIST Median Salary: **\$114,520**

STATISTICIAN Median Salary: **\$84,760**

UNIVERSITY PROFESSOR Median Salary: **\$76,000**

MATHEMATICIAN Median Salary: **\$84,760**

OPERATIONS RESEARCH ANALYST Median Salary:
\$81,390

ACTUARY – Median Salary: **\$101,560**

#4

AWESOME

AT

STANDARDIZED

TESTS

STANDARDIZED TESTS

Test Performance on Graduate School Entrance Exams by Major

(% Relative to Mean Scores of All Test Takers)

Major	LSAT	GMAT
Mathematics	+12.8%	+13.3%
Philosophy	+8.7%	+11.0%
Economics	+9.6%	+7.3%
Chemistry	+7.6%	+7.5%
English	+5.6%	+4.1%
Foreign Languages	+5.7%	+3.3%
History	+2.9%	+4.6%
Biology	+4.0%	+3.3%
Psychology	+0.9%	+0.8%
Political Science	-1.6%	+0.06%
Arts & Music	-0.5%	-1.2%
Business	-4.5%	-0.8%
Sociology	-7.0%	-5.0%
Education	-8.7%	-4.2%

CAREERS FOR MATH MAJORS

Data Analytics– Collect, organize and analyze raw data in order to effect positive change and increase efficiency.

- Market Research Analyst
- Operations Research Analyst
- Statistician
- Data Scientist
- Elgarythom



Top Employers

Nielsen, J.D. Power and Associates, Google, Proctor & Gamble, General Electric, the National Security Agency (NSA), Google, Facebook, Microsoft, Berkshire Hathaway, Alliance, Aflac, U.S. government

CAREERS FOR MATH MAJORS

Computing & IT – Combine theoretical concepts and practical applications to design and construction of computer systems,

- ❑ Computer & Information Research Scientist
- ❑ Computer & Information Systems Manager
- ❑ Software Developer

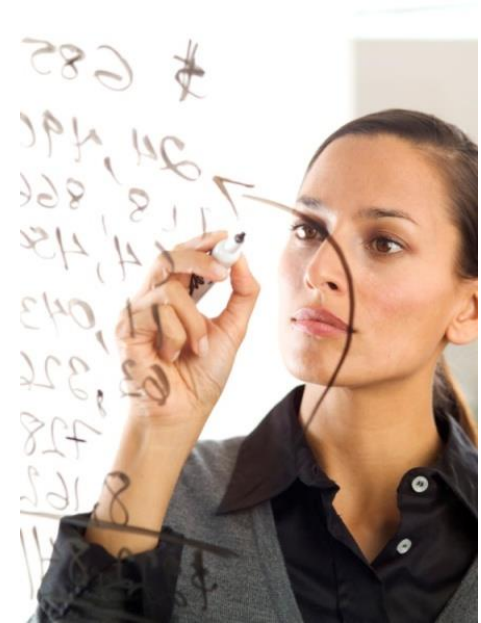
Top Employers

Intel, Samsung, Microsoft, Google, research colleges and universities, U.S. government, Microsoft, IBM, Google, Verizon, Intel, Oracle, Google, Twitter, Facebook, Apple, LinkedIn

CAREERS FOR MATH MAJORS

Entry Level Jobs in Math

- **Actuary**, Towers Watson
- **Underwriter**, Cigna
- **Special Project Manager**, Trek Bicycle Corp.
- **Mathematics Teacher**, Freehold Regional HS
- **Business Analyst**, Bank of America
- **Underwriter**, Freedom Mortgage
- **Data Analyst**, AICA Ortho & Spine
- **Software Engineer Associate**, Lockheed Martin
- **Research Assistant**, Federal Reserve Bank
- **Programmer**, Bell Atlantic
- **Sales Associate**, Salomon Smith Barney



CAREERS FOR MATH MAJORS

Sample Internships

- **Consulting** (e.g., ClusterStar KG, Accenture, KPMG, PriceWaterhouseCoopers)
- **Banking and Finance** (e.g., Deutsche Bank, JPMorgan Chase, Bank of America Securities, FG Companies, Hudson Capitol Group)
- **Government** (e.g., Bureau of Labor Statistics, Housing & Mortgage Finance Agency)
- **Hedge Fund Research** (e.g., Two Sigma Investments, LLC)
- **Information Technology** (e.g., OnDeego, World NetMedia, Avirtek, Network Technician, Apple Computer)
- **Banking and Finance** (e.g., Deutsche Bank, Bank of America Securities)
- **Actuary** (e.g., CIGNA, CAN, Deloitte Consulting, JP Morgan, Lincoln Financial, Towers Watson, Susquehanna International Group)

CAREERS FOR MATH MAJORS

PANDEMIC FRIENDLY



WORK FROM HOME



**MATH HOME
SCHOOL QUALIFIED**

CAREERS FOR MATH MAJORS

RESOURCES

- ❑ [Mathematical Association of America](#)
- ❑ [American Mathematical Society](#)
- ❑ [Society of Industrial and Applied Mathematics](#)
- ❑ [American Statistical Association](#)
- ❑ [Weusemath.org](#)
- ❑ [Whydomath.org](#)
- ❑ [Beanactuary.org](#)



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Lower Level – Campus Center

