

What Can I Do With a Major In Mathematics?

Sample Occupations: The following listings are occupations you can pursue with a Mathematics Degree. Please note that this list is not exhaustive. There are many careers for which a Mathematics Degree prepares you. *Note that the occupations that require an advanced degree are also listed.* For help in identifying more information about the occupations listed below, please visit the Career Center at 259 Highsmith Union.

Accountant	Demographer	Production Manager
Actuary	Econometrician Economist	Production Support Specialist
Aerospace Engineer	EDP Auditor	Psychometrician
Air Traffic Controller	Employee Relations Specialist	Public Health Statistician
Applications Programmer	Engineer	Purchasing/Contract Agent
Applied Science Technologist	Engineering Lab Technician	Quality Assurance Analyst
Artificial Intelligence Programmer	Environmental Technologist	Rate Analyst
Astronomer	Estate Planner	Research Analyst
Banking/Credit/Investment Mgr.	External Auditor	Risk & Insurance Specialist
Biometrician/Biostatistician	Financial Auditor	Risk Analyst
Commodity Manager	Financial Consultant	Robotics Programmer
Compensation/Benefits Admin.	Financial Manager	Satellite Communications Specialist
Computer Consultant	Hydro Geologist	Software Development Specialist
Computer Engineer	Hydrologist	Software Engineer
Computer Facilities Mgr.	Information Scientist	Software Support Specialist
Computer Installation	Inventory Control Specialist	Statistician
Computer Marketing/Sales Rep.	Investment Banker	Systems Analyst
Computer Programmer	ISO 2000 Specialist	Systems Engineer
Computer Scientist	Market Research Analyst	Systems Programmer
Computer-Aided Design Tech.	Mathematician	Teacher: Math/Computers
Consumer Loan/Credit Officer	Media Buyer	Technical Support Representative
Contract Administrator	Meteorologist	Technical Writer
Cost Estimator/Analyst	Mortgage Researcher	Transportation Planner
Cryptographer/Cryptologist	Network Programmer	Treasury Management Specialist
Data Control Administrator	Numerical Analyst	Underwriter
Data Processing Manager	Operations Research Analyst	Urban Planner
Database Manager	Physicist	Value Engineer
	Pollution Meteorologist	Weight Analyst

Government Departments

Central Intelligence Agency	Department of Health and Human Services	Internal Revenue Service
Department of Commerce	Department of the Interior	National Security Agency
Department of Defense	Department of Transportation	US Information Agency
Department of Energy		Veterans Administration

Professional Organizations

American Institute of Aeronautics and Astronautics (AIAA) <http://www.aiaa.org/>
American Mathematical Society <http://www.ams.org/>
American Planning Association <http://www.planning.org/>
American Society of Transportation and Logistics <http://www.astl.org/>
Association for Computing Machinery (ACM) <http://www.acm.org>
IEEE Computer Society <http://www.computer.org/computer>
Institute of Mathematical Statistics <http://www.imstat.org/>
Mathematical Association of America <http://www.maa.org>

Professional Organizations (continued)

SIAM-AMS Nonacademic Careers in Mathematical Sciences <http://www.ams.org>
Society for Industrial and Applied Mathematics <http://www.siam.org>
Society of Actuaries <http://www.soa.org>

Internet Resources

Be An Actuary <http://www.beanactuary.org/>
Careers in Aviation <http://www.flyingcareers.com/>
Careers in Math http://www.cln.org/themes/careers_math.html
Careers Guide for Scientists http://www.phds.org/career_guide/
Careers with the National Security Agency <http://www.nsa.gov/careers>
Jobs in Computational Fluid Dynamics <http://www.cfd-online.com>
Jobs in Statistics <http://www.amstat.org>
Margaret Riley Online Career Guide <http://www.rileyguide.com>
Mathematics of Cartography <http://math.rice.edu/~lanius/pres/map/mapcar.html>
Mathematics on the Web <http://www.ams.org/mathweb>
Occupational Outlook Handbook, Mathematics Careers <http://stats.bls.gov/oco/ocos043.htm>
PLUS Magazine - great descriptions of job options <http://www.pass.maths.org>
Richard Bolles: What Color is your Parachute? – Job Hunters Bible <http://www.jobhuntersbible.com>
Technical Discussions for Software Developers <http://www.developers.net/>
Women in NASA <http://quest.arc.nasa.gov/women/intro.html>

UNC Asheville Career Center Resources for Mathematics Majors

Career Exploration:

100 Best Careers for the 21st Century
50 Best Jobs for your Personality
Barron's Guide to HomeLand Security Careers
Career Choices for the 90's for Students of Mathematics
Career Information in the Mathematical Sciences
Careers For Number Crunchers and Other Quantitative Types
College Majors and Careers
Corporate America for Women and Minorities, International Careers
Discovering Your Career in Business
Employers, Top 50 Consulting Firms, Biotech, Energy & Oil/
Glass Employers, Investment Banking, Finance Interviews,
Great Jobs For Math Majors
Is There an Engineer Inside You?
Liberal Arts Jobs
Opportunities in Engineering Careers
The College Career Bible
The College Majors Handbook
Vault Career Guides: Top 50 Banking Employers, Insurance

Job Search Resources:

2500 Keywords to Get You Hired
Find a Federal Job Fast
Finding your Perfect Work
Job Search Handbook for People with Disabilities
Job Searching Online For Dummies
Professional's Job Finder
Targeting the Job you Want
Ten Steps to a Federal Job
The Top 10 Fears of Job Seekers
Vault Guides: Schmoozing and Resume, Cover Letters, & Interviewing, and Starting your Own Business
Who's Hiring Who?

Internship Opportunities:

Americas Top 100 Internships
Directory of International Internships
Internship Success
Internships with America's Top Companies
The Best 109 Internships
The Internship Bible
The National Directory of Internships
Vault Guide to Top Internships