Overview

Mathematics is both a scientific profession and a tool essential to many other scientific disciplines and careers. Applications occur in engineering, the biological and chemical sciences, social sciences, and computer science in addition to the general physical sciences. The following list contains a representative sample of jobs. Use this as an idea list, and remember that it represents some, but certainly not all, of the careers you might consider. Some of these jobs also require education beyond a bachelor's degree.

Related Careers

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

- Problem Solving
- Ability to analyze and interpret data
- Logical Thinking
- Systematizing Skills
- Organizational Skills
- Critical Thinking
- Team Skills
- Advanced Quantitative Skills
- Numerical Computation
- Computer Literacy
- Efficient
- Testing Skills

Related Sites

Job Listings:

- TU Job Postings  http://myinterface.com/trinity/student
- MonsterTRAK  http://www.monstertrak.com
- Math Jobs  http://math-jobs.com/us
- Jobs for Mathematics  www.mathjobs.org/jobs
- Careers in math  http://www.cln.org/themes/careers_math.html

Career Resources  www.awm-math.org

- Math Archives  http://archives.math.utk.edu/undergraduates.html#careers
- Mathematics of Cartography  http://math.rice.edu/~lanius/pres/map/mapcar.html
- Careers in Science & Engineering- A Student Planning Guide to Grad School and Beyond  http://www.nap.edu/readingroom/books/careers/
- Intelligent Information Systems  http://www2.renewal-iis.com
- Microsoft  http://www.microsoft.com/ms.htm
- SAS  http://www.sas.com

PROFESSIONAL ORGANIZATIONS

- Computing Research Association  http://cra.org
- American Mathematical Society  http://www.ams.org
- Association of Women in Math  www.awm-math.org/ads.html
- National Council of Teachers of Mathematics  http://www.nctm.org
- American Statistical Association  http://www.amstat.org
- Mathematical Association of America  http://www.maa.org
- Society for Industrial and Applied Mathematics  http://www.siam.org
- Society of Actuaries  http://www.soa.org/
- American Mathematical Society undergraduate resources  http://www.ams.org/employment