Mathematics majors study one of the oldest and most fundamental sciences by using strong analytical, organizational, and mathematical skills. Solving quantitative problems and understanding both concrete and abstract mathematical concepts are skills needed in the field of mathematics. Additionally, mathematics majors’ work may require that they have a strong capacity for critical thinking, numerical computation, and computer literacy. Personal attributes needed by majors in this area include self-discipline, persistence, patience, detail-orientation, and logical thinking. Mathematics majors can work in banks, trust/insurance companies, security and commodity exchanges, accounting firms, actuarial firms, and pharmaceutical companies, as well as federal and local government agencies and in academia.

Related Occupations

- Accountant
- Actuary
- Appraiser
- Architect
- Astronomer
- Bank Manager
- Benefits Administrator
- Commodities Trader
- Computer Consultant
- Consumer Loan/Credit Officer
- Credit Manager
- Demographer
- Economist
- Educator
- Financial Aid Director
- Financial Planner
- Foreign-Exchange Trader
- Investment Banker
- IRS Investigator
- Mathematician
- Meteorologist
- Nuclear Scientist
- Geneticist
- Industrial Health Engineer
- Laboratory Analyst
- Market Research Analyst
- Metallurgist
- Microbiologist
- Payroll Manager
- Physicist
- Purchasing Agent/Buyer
- Radar Technician
- Securities Broker
- Statistician
- Surveyor
- Systems Analyst
- Treasurer
- Trust Analyst
- Urban Planner

Some of these options require additional training and/or education

Internet Resources

- American Job Bank
  www.jobankinfo.org
- Career Resources and Job Postings
  www.rileyguide.com
- Careers in Math
  www.coolmath.com/careers.htm
- Colorado State/Cities Job Board
  www.colorado.gov
- Listing of US Math websites
  www.math.psu.edu/MathLists/DeptUSA.html
- Mathematical Sciences Career Information
  www.ams.org/careers
- Microsoft
  www.microsoft.com/ms.htm
- Occupational Outlook Handbook: Mathematics
  stats.bls.gov/oco/ocos043.htm
- US Census Bureau
  www.census.gov
- What can I do with a math degree?
  www.math.purdue.edu/jobs/careers

Professional Resources

- American Mathematical Society
  www.ams.org
- Association for Women in Mathematics
  www.awm-math.org
- American Statistical Association
  www.amstat.org
- Computing Research Association
  cra.org
- Mathematical Association of America
  www.maa.org
- National Council of Teachers of Mathematics
  www.nctm.org
- Organizations for Mathematicians and Statisticians
  www.awm-math.org/career.html
- Society for Industrial and Applied Mathematics
  www.siam.org
- Society of Actuaries
  www.soa.org