

CAREER RESPONSIBILITIES

Mathematics is a field that serves science but stands on its own as a great edifice of human thought. An undergraduate degree in mathematics provides a strong background for a wide variety of vocations. Challenging positions are available in industry, business, technology, medicine, computers, and government.

Skills Associated With Mathematics Majors:

- Strong problem solving skills; ability to clarify and identify problems and generate solutions
- High proficiency in organization and attention to detail; maintenance of precision and accuracy
 - Strong mathematical, analytical, reading, writing, computer and memorizing skills
 - Ability to think and reason abstractly; assess risks and analyze results

Sample Career Titles

Accountant	Credit Manager	Network Programmer
Actuarial Analyst	Cryptographer/Cryptologist	Nuclear Scientist
Actuary	Data Control Administrator	Numerical Analyst
Aerodynamist	Data Processing Manager	Operations Analyst
Aerospace Engineer	Database Manager	Operations Manager
Airline Pilot	Demographer	Pension Fund Administrator
Air Traffic Controller	Dentist	Pharmacologist
Analyst	Drafter	Physician
Applications Programmer	Econometrician	Physicist
Applied Science Technologist	Economist	Production Manager
Appraiser	Educator	Production Specialist
Architect	Electrician	Project Manager
Artificial Intelligence	Engineer	Psychometrician
Programmer	Environmental Technologist	Public Health Statistician
Astronaut	Estate Planner	Public Policy Analyst
Astronomer	External Auditor	Purchasing/Contract Agent
Atmospheric Scientist	FBI Special Agent	Quality Assurance Analyst
Auditor	Financial Analyst	Radar Technician
Bank Officer	Financial Auditor	Rate Analyst
Banking Manager	Financial Consultant	Research Analyst
Biomathematician	Financial Manager	Risk & Insurance Specialist
Biometrician/Biostatistician	Financial Planner	Risk Analyst
Bookkeeper	Geologist	Robotics Programmer
Broker	Grant Administrator	Satellite Communications
Budget Director	Hydro Geologist	Specialist
Cartographer	Hydrologist	Software Developer
Chemist	Information Scientist	Software Engineer
Chief Financial Officer	Inventory Control	Statistician
Chief Information Officer	Specialist	Surveyor
College Professor	Investment Banker	Systems Analyst
Commodity Manager	ISO 2000 Specialist	Systems Engineer
Compensation Administrator	Management Consultant	Systems Programmer
Computer Consultant	Market Research Analyst	Technical Support Rep.
Computer Engineer	Mathematician	Technical Writer
Computer Programmer	Mathematics Teacher	Underwriter
Computer Scientist	Metallurgist	Urban Planner
Consumer Loan Officer	Meteorologist	Value Engineer
Control Systems Engineer	Mortgage Researcher	

** Some careers may require additional training and/or education

To find out more about the daily work of these professions, skills needed, and salary ranges, go to [Occupational Outlook Handbook](#) and type a career title into the search field.

Visit **Career Education & Development**, 124 Bailey Library, to discuss these occupations and career opportunities with a Career Counselor.