

WHAT CAN I DO WITH A BACHELOR'S DEGREE IN MATHEMATICS ??

Facts about a mathematics degree:

- The study of mathematics has both theoretical and applied aspects
Theoretical mathematics deals with developing new principles and recognizing previously unknown relationships between existing principles of mathematics. Applied mathematics uses theories and techniques, such as mathematical modeling and computational methods, to formulate and solve practical problems in business, government, engineering, and the sciences. There is, however, considerable overlap between the two
- Mathematics is often done in conjunction with another field (i.e. biology, physics, economics)
- Because the mathematics major covers such a broad spectrum of human activity, you will find mathematics majors employed in every sector of the economy
- Job titles in this field rarely contain the specific words mathematician, statistician, or operations research analyst. Instead, titles like technician, consultant, associate, designer, etc. are often used

SKILLS POSSESSED BY MATHEMATICS GRADUATES:

Many employers are interested in the skills which mathematics majors tend to possess. These include:

- ability to read and write articulately and analytically
- ability to make sound judgments and solve quantitative problems
- proficient in writing, speaking, and clearly explaining scientific research
- ability to recognize, analyze, and interpret data
- ability to think logically
- ability to frame inquiry

From: The Metropolitan State College of Denver's Career Opportunities with a Major in Mathematics Homepage

SAMPLE JOB TITLES FOR MATHEMATICS GRADUATES:

(some may require additional education and / or training beyond the bachelor's degree)

numerical analyst
inventory strategist
staff systems analyst
actuarial assistant
finance associate
cost estimator
trust analyst
operations research analyst
data control administrator
market research analyst
payroll manager
business solutions specialist
contracts specialist
quality assurance analyst
risk management analyst
financial planner
loans officer
retail manager
tutor

data analyst
mathematical consultant
project analyst
benefits consultant
research assistant
mathematical technician
business consultant
information specialist
statistician
bank manager
efficiency expert
marketing associate
test technician
statistical analyst
insurance broker
credit manager
technical writer
real estate agent
underwriter

AREAS OF EMPLOYMENT: (this list is not exhaustive)

computer / telecommunication companies	oil companies
consulting firms	insurance companies
electronic equipment and computer manufacturers	aerospace companies
government	construction firms
economic / social science pollsters	mining companies
pharmaceutical companies	engineering firms
test development companies	manufacturing firms
research and development firms	real estate agencies
finance companies (banks, investment firms, trust companies, credit unions, caisses populaires)	market research firms
utility companies	hospitals
	research laboratories
	stock exchanges

Want More Information? Check these websites!

Check our website at: www.umanitoba.ca/student/careerservices
- Click on "Job Postings and Volunteer Opportunities" and register as a **Student** to view current job postings

National Occupational Classification
www23.hrdc-drhc.gc.ca

University of Manitoba—Faculty of Science—Department of Mathematics
www.umanitoba.ca/science/departments/mathematics/

University of Utah - Department of Mathematics
www.math.utah.edu/careers.html

Association for Women in Mathematics
sites.google.com/site/awmmath/

Mathematical Sciences Career Information
www.ams.org/careers/

Society for Industrial & Applied Mathematics
www.siam.org/careers/

University of Toronto - *What could I do with a degree in mathematics?*

For more information on occupational, educational and employment options, please drop by Career Services, 474 University Centre, 474-9456.