

What can I do with a major in “Mathematics”?

The University of Georgia Career Center

Clark Howell Hall, 706-542-3375, www.career.uga.edu
UGA Mathematics Department, 706-542-2211, www.math.uga.edu



This information describes typical occupations and employment settings associated with this major. Understand some of these options may require additional training. Moreover, you are not limited to these options when choosing a possible career path.

Description of Mathematics

Mathematics is a powerful tool in many diverse careers. It is a language of technology. In a highly technological age, those at the forefront of mathematics and statistics are to rapid progress within all societies Math plays a major role in actuarial science, astronomy, chemistry, physics, computer science, economics, engineering, biology, geophysics, operations research, oceanography, meteorology, linguistics, library science, cryptology, seismology, and environmental science. A strong mathematics background has become nearly a prerequisite for advanced study in the natural and social sciences. Critical problems in government, health, the environmental fields, private industry, and the academic world require advanced mathematical and statistical techniques for they provide exacting analytical and quantitative tools necessary. Although some applications involve computers, the current generation has grown with the development of technology and is the most prepared in history to change our society, environment and world.

Research Careers

O*NET <http://online.onetcenter.org> (Click on Find Occupations)
Georgia Career Information Center <http://www.gcic.peachnet.edu> (Accessible only on campus computers)
Occupational Outlook Handbook <http://www.bls.gov/oco> (Type in general term for career of interest)
Alberta Occupational Profiles www.alis.gov.ab.ca/occinfo/frameaset.asp (Click on Occupational Title Search)
**Please visit the Career Center Library or your Career Consultant for more information or assistance.*

Possible Job Titles of Mathematics Graduates

Accountant	Econometrician	Public Health Statistician
Actuary	Financial Auditor	Research Analyst
Aerospace Engineer	International Trade Specialist	Risk & Insurance Specialist
Appraiser	Investment Banker Risk Analyst	Securities Broker
Bank Examiner	Inventory Control Specialist	Senior Technical Advisor
Biometrician/Biostatistician	IRS Investigator	Software System Consultant
Budget Analyst	Math Teacher	Software Support Specialist
Controller	Mortgage Researcher	Treasurer Trust Analyst
Cost Estimator/Analyst	Numerical Analyst	Transportation Planner
Cryptographer/Cryptologist	Operations Research Analyst	Underwriter

Possible Employers of Mathematics Graduates

(Jobs secured as reported by UGA Career Center post-graduate survey)

Aerospace Companies	ICF Kaiser Engineering Grp. Insurance	National Security Agency
Banks	Justice Department	NOAA
Bureau of Labor Statistics	Local & State Planning Offices	PRC Environmental Mgmt.
Colleges & Universities	Lost Control Representative	Public Financial Management
Defense Logistics Agency	Market Research Firms	Research & Dev. Firms
Defense Mapping Agency	Mercer HR Consulting	Test Development Corp.
Drug Enforcement Adm.	Mortgage Companies	Transportation Department
Engineering Technician	NASA	U.S. Customs Service
Health Care Financing Adm.	Nat. Hwy Traffic Safety Admin.	U.S. Navy
Hewitt Associates	National Inst. Standards & Tech	Weights and Measures Office

Career Center Library Resources

Great Jobs for Mathematics Majors
Careers for Number Crunchers & Other Quantitative Types
How to Get Any Job with Any Major
Metro Atlanta Bioscience Industry
Regional Life Science Directory
Opps. in Science & Tech Careers

Great Jobs for Liberal Arts Majors
Opportunities in R and D Careers
Outdoor Careers
The Secrets of Savvy Networking

Campus Resources

Department of Mathematics

<http://www.math.uga.edu/>

Math Club

<http://uga.edu/mathclub/>

Mathematics Education Student Association

<http://math.coe.uga.edu/mesa/mesa.html>

Employment Websites

American Mathematical Society Employment - <http://www.ams.org/employment>

D.W. Simpson & Company - <http://www.actuaryjobs.com/>

Jobs in Mathematics - <http://www.phds.org/>

Mathematics on the Web - <http://www.ams.org/mathweb/>

Society for Industrial & Applied Math Jobs - <http://www.siam.org/careers/>

American Statistical Society Jobs - <http://www.amstat.org/careers/index.cfm?fuseaction=main>

Additional Resources

American Mathematical Society - <http://www.ams.org>

The Mathematical Association of America -

<http://www.maa.org/>

Society for Industrial & Applied Math -

<http://www.siam.org/>

Occupational Outlook Handbook -

<http://stats.bls.gov/oco/ocos043.htm>

SIAM-AMS Nonacademic Careers in Math -

<http://www.ams.org/careers/>