

# MATHEMATICS

**Mathematics** is the study of the measurement, properties, and relationships of quantities and sets, using numbers and symbols. Mathematicians have opportunities to make lasting contributions to society by helping to solve problems in fields as medicine, management, economics, government, physics, and psychology.

## Career Titles

Some of these positions may require additional education or training above a Bachelor's Degree.

Accountant	Engineering Lab Technician
Actuary	Estate Planner
Aerospace Engineer	Financial Consultant / Manager
Air Traffic Controller	Inventory Control Spec.
Applications Programmer	Investment Banker
Applied Science Technologist	Industrial/Institutional Buyer
Artificial Intelligence	Market Research Analyst
Astronomer	Mathematician
Banking/Credit/Invest. Mgr	Media Buyer
Biometrician/ Biostatistician	Meteorologist
Commodity Manager	Network Programmer
Compensation/Benefits Administrator	Physicist
Computer Consultant	Pollution Meteorologist
Computer Engineer	Production Manager
Computer Marketing Rep	Public Health Statistician
Computer Programmer	Purchasing/Contract Agent
Computer-Aided Design Tech.	Research Analyst
Cartographer	Risk & Insurance Specialist
Cost Estimator/Analyst	Robotics Programmer
Cryptographer/Cryptologist	Satellite Communications
Data Control Administrator	Statistician
Data Processing Manager	Systems Analyst
Demographer	Systems Programmer
Econometrician	Teacher
Economist	Transportation Planner
EDP Auditor	Treasury Management Spec.
Employee Relations	

## Employment Settings

Aerospace	Financial institutions
Colleges & Universities	Federal Government agencies
Communications Industries	Insurance firms
Consulting Firms	Manufacturing Industries
Consumer Goods Manufacturing firms	Market Research Firms
Commercial Banks	National & Regional brokerage firms
Credit Unions	Public schools
Custom software builders	Pharmaceuticals
Computer hardware/software firms	Specialized training organizations
Discount Brokerage Houses	State Government agencies
Educational publishers	Transportation industries
	Wholesale & retail trade firms

# ONLINE RESEARCH

- Developers.Net - Great jobs & career information for developers. Over 30,000 jobs in a searchable database on this site! <http://www.developers.net>
- American Mathematical Society undergraduate resources <http://www.ams.org/employment>
- Math Jobs <http://math-jobs.com/us>
- The National Security Agency [www.nsa.gov/programs/employ/index.html](http://www.nsa.gov/programs/employ/index.html)
- Professional Opportunities [www.siam.org/profops/profops.htm](http://www.siam.org/profops/profops.htm)
- Jobs for Mathematics [www.mathjobs.org/jobs](http://www.mathjobs.org/jobs)
- Jobs in Computational Fluid Dynamics [www.cfd-online.com](http://www.cfd-online.com)
- NC State Government Research & Statistics <http://www.osp.state.nc.us/jobs>
- MonsterTRAK <http://www.monstertrak.com>
- US Department of Energy Career Intern Program [www.ma.mbe.doe.gov/pers/cip/index.htm](http://www.ma.mbe.doe.gov/pers/cip/index.htm)
- Internships at NASA [www.nasajobs.nasa.gov/jobs/student\\_opportunities/temporary\\_stay.htm](http://www.nasajobs.nasa.gov/jobs/student_opportunities/temporary_stay.htm)
- Internships and Co-ops [www.ams.org/employment/internships.html](http://www.ams.org/employment/internships.html)
- 4work Internships <http://www.4work.com/>
- Internship Hotspots [www.uncwil.edu/stuaff/career/internhotspots.htm](http://www.uncwil.edu/stuaff/career/internhotspots.htm)
- National Security Agency Careers <http://www.nsa.gov/careers/>
- Society for Industrial and Applied Mathematics <http://www.siam.org/careers/>
- Math-Jobs <http://www.math-jobs.com/>
- Mathematical Association of America <http://www.maa.org/careers>
- Cool Math: careers in math <http://www.coolmath.com/careers.htm>
- Careers in math [http://www.cln.org/themes/careers\\_math.html](http://www.cln.org/themes/careers_math.html)
- Occupational Outlook Handbook <http://stats.bls.gov/oco/ocos043.htm>
- Career Resources [www.awm-math.org](http://www.awm-math.org)
- Math Archives <http://archives.math.utk.edu/undergraduates.html#careers>
- Women in NASA <http://quest.arc.nasa.gov/women/intro.html>
- Mathematics of Cartography <http://math.rice.edu/~lanius/pres/map/mapcar.html>
- PLUS Magazine (math journal) - great descriptions of job options <http://www.pass.maths.org>
- Career Converter <http://6steps.monster.com/step1/careerconverter>
- Career Fields <http://career.berkeley.edu/Infolab/CareerFields.stm>
- Resources [http://guide.symplicity.com/resources/profession\\_index\\_a\\_z.php](http://guide.symplicity.com/resources/profession_index_a_z.php)
- US Department of Energy Career Intern Program [http://humancapital.doe.gov/pers/cip/applicant/index\\_applicant.htm](http://humancapital.doe.gov/pers/cip/applicant/index_applicant.htm)
- Internships at NASA <http://www.nasajobs.nasa.gov/studentopps/employment/default.htm>
- Science Careers Web <http://www.sciencecareersweb.net/>
- American Mathematical Society <http://www.ams.org>
- Association of Women in Math [www.awm-math.org/ads.html](http://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://11www.soa.org/>
- IEEE Computer Society <http://www.computer.org/pubs/computer/career/career.htm>
- Intelligent Information Systems <http://www2.renewal-iis.com>
- Microsoft <http://www.microsoft.com/ms.htm>
- SAS <http://www.sas.com>
- US Census Bureau <http://www.census.gov/hrd/www/index.html>
- Computing Research Association <http://cra.org>