

What Can I Do with a Major in...

Mathematics

Possible Career Options

(some career areas require advanced education)

Actuary Administrator
Aerodynamics Specialist
Air Traffic Control Specialist
Computer Programmer
Consumer Credit/Loan Officer
Contract Administrator
Cryptographer
Database Administrator
Economist
Educational Mathematics Specialist
Engineering Analyst
External Auditor
Financial Investment Analyst
Hydrologist
Inventory Control Specialist
Management Accountant
Market Research Analyst
Mathematician
Mathematics Editor
Math Teacher
Media Buyer
Meteorologist
Operations Research Analyst
Production Manager
Statistician
Systems Analyst
Technical Writer
Tool & Die Maker
Treasury Management Specialist
Underwriter
Weight Analyst

Leadership/Management Skills

- Conceptualizing
- Realistic/practical

Communication/Writing Skills

- Summarizing

Research/Analytical Skills

- Compiling and selecting information
- Manipulating information using expertise in mathematics
- Calculating
- Applying appropriate methods to test the validity of data
- Applying information creatively to solve specific problems
- Using numbers as a reasoning tool
- Designing an experiment, plan or model that systematically defines a problem

Artistic/Creative Skills

- Dealing creatively with symbols or images
- Aware of the value of symbolism in symbol formation
- Illustrating, displaying, creating two or three dimensional images

Other Skills

- Using computers

Print and Web Resources

OCS Books

101 Careers in Mathematics

Careers for Number Crunchers & Other Quantitative Types

Careers for Puzzle Solvers and Other Methodical Thinkers

Great Jobs for Math Majors

Online Career Resources

Career Information

www.careercornerstone.org/math/math.htm

Occupational Outlook Handbook

www.bls.gov/oco/ocos043.htm (Mathematicians)

www.bls.gov/oco/ocos041.htm (Actuary)

www.bls.gov/oco/ocos045.htm (Statistician)

www.bls.gov/oco/ocos110.htm (Computer Programmer)

www.bls.gov/oco/ocos042.htm (Computer Scientist)

www.bls.gov/oco/ocos066.htm (Professor)

www.bls.gov/oco/ocos069.htm (Teacher)

www.bls.gov/oco/ocos259.htm (Financial Analyst)

Internship Electronic Resources

After College

www.aftercollege.com

Idealist and Action Without Borders

www.idealist.org

Local Internships

www.hope.edu/knowhope/internships/index.cgi

Employment Opportunity Electronic Resources

American Mathematical Society

www.ams.org/eims

Math Jobs

www.mathjobs.org

Society of Actuaries

www.soa.org/ccm/content/?categoryID=214009

Spotlight on Careers

www.spotlightoncareers.org

More resource links are available at the Office of Career Services website:

www.hope.edu/student/career

Professional Associations

American Academy of Actuaries

www.actuary.org

American Mathematical Society

www.ams.org

American Statistical Association

www.amstat.org

Association for Symbolic Logic

www.aslonline.com

Association for Women in Mathematics

www.awm-math.org

Mathematical Association of America

www.maa.org

National Council of Teachers of Mathematics

www.nctm.org

National Science Foundation

www.nsf.gov

Society of Actuaries

www.soa.org

Society of Industrial and Applied Mathematics

www.siam.org

Hope Graduates in the Mathematics World

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| Actuarial Analyst..... | Hartford Life Insurance Company |
| Agricultural Statistician | National Agricultural Statistics Service |
| Airborne Cryptologic Linguist..... | United States Air Force |
| Database Administrator..... | Greater Ottawa County United Way |
| Financial Account Specialist | Microsoft Corporation |
| Financial Analyst..... | Herman Miller, Inc. |
| Hydrologist..... | National Weather Service |
| International Credit Analyst..... | Whirlpool Financial Corporation |
| International Economist..... | U.S. Treasury Office |
| Math Content Editor | McGraw-Hill Publishing |
| Math/Computer Science Professor | Loyola University |
| Mathematician..... | Naval Weapons Center |
| Media Planner/Buyer..... | Starcom MediaVest Group |
| Senior Commercial Lines Underwriter..... | Citizens Insurance Company of America |
| Senior Economist | International Monetary Fund |
| Statistician | Abbott Laboratories |
| Statistician | Bureau of Transportation Statistics |
| Statistician | DePuy |
| Statistician—Research Manager | McDonald's Corporation |
| Systems & Electronic Resources Librarian..... | Muhlenberg College |
| Systems Analyst | IMC Global |
| Technical Writer | Adobe Systems |
| Underwriting Supervisor | Atlanta Casualty |
| Vice President & Actuary..... | State Farm Companies Foundation |
| Vice President, High Risk Account Management | Citi Corp |