

# MATHEMATICS

What can I do with this degree?

## AREAS

## EMPLOYERS

## STRATEGIES

### INDUSTRY

Research  
Development  
Design  
Data Processing  
Testing  
Operations  
Quality Control  
Statistical Processing Control  
Environmental Analysis  
Consulting

Industries including:

Manufacturing  
Transportation  
Aerospace  
Communications  
Machinery  
Electrical equipment  
Pharmaceuticals  
Other private industries

Consulting firms

### GOVERNMENT

Federal agencies including Defense, Labor, Justice, Agriculture, Health and Human Services, Transportation, Commerce, Treasury, NASA, and Library of Congress  
State agencies involving research and problem-solving teams

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**COMPUTERS**

Program

**INSURANCE**

Actuarial  
Underwriting  
Claims  
Risk Management  
Sales

Insurance firms

Develop strong computer skills.  
Acquire a business minor or take supplemental courses in business or statistics.  
Become the treasurer of an organization.  
Obtain experience in fundraising drives.  
Join a related professional association.  
Gain relevant experience through internships.  
Become familiar with exams and/or certifications required for actuarial positions.

**BANKING**

Branch Management  
Credit Lending  
Operations  
Systems  
Trusts

Commercial banks  
Regional banks  
Savings and loan associations  
Credit unions

Complete an internship in a financial institution.  
Develop good interpersonal skills.  
Obtain a business minor.  
Develop excellent computer skills.  
Demonstrate attention to detail.  
Become the financial officer or treasurer of a campus organization.

**EDUCATION**

Public schools  
Private schools  
Colleges and universities

Obtain appropriate state licensure and/or certification for public school teaching positions.  
Volunteer to teach, supervise, or tutor with organizations such as Big Brother/Sister, YMCA, or churches.  
Develop excellent written and oral communication skills.  
Acquire a master's degree or Ph.D. for teaching positions at the college or university level.

**GENERAL INFORMATION**

- Math majors develop transferable skills including critical thinking, problem diagnosis and solving, computer skills, and quantitative skills.
- A bachelor's degree is often sufficient for entry-level positions, but an advanced degree may open the door to more upper-level opportunities.