

Explore



# Mathematics

Mathematics is the study of quantitative relationships expressed in numbers and symbols.. It focuses on mathematical concepts and theories and involves their formulation, testing, interpretation, and practical application. Mathematics is usually referred to as either pure (theoretical and abstract) or applied (practical and result-oriented). \* Excerpt from College Majors and Careers by Paul Pfifer

## Areas to Explore

Government . Market Research . Industry . Computers . Securities . Insurance . Education

## Careers to Explore

Data Analyst . Underwriter . Claims Specialist . Risk Management Officer  
Systems Analyst . Accountant . Statistician . Credit Manager . Market Research Analyst  
Teacher . Real Estate Appraiser . Technical Writer . Mortgage Officer . Actuary  
Purchasing Agent . Operations Researcher . Auditor

## Employers to Explore

Accounting Firms . FBI . IRS . Dept. of Treasury . Universities . Hospitals . Public Schools  
Research Organizations . Libraries . Census Bureau . Real Estate Firms . Labor Unions  
Corporations . Small Businesses . Office of Controller . Marketing Firms

## Career Planning Tactics

- Supplement major coursework with business, economics, marketing & education classes to increase your job opportunities
- Obtain appropriate licensure for teaching positions and advanced degree for positions at the college level
- Develop computer and research skills; become familiar with software used in your industry of interest
- Do an internship to gain relevant experience
- Develop strong communication skills for research-oriented positions
- Join professional organizations to network with professionals

## Resources

[Occupational Outlook Handbook: Mathematicians](#)

[Occupational Outlook Handbook: Statisticians](#)

[Occupational Outlook Handbook: Actuaries](#)

[Mathematics @ Belmont Abbey](#)

## Professional Associations

[American Statistical Association](#)

[National Council of Teachers of Mathematics](#)

[American Academy of Actuaries](#)



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