



What can I do with a major in...**APPLIED MATHEMATICS**

The Applied Mathematics major is designed to meet the increasing need for mathematicians in area of science and technology and to prepare student for graduate studies in mathematics quantitative problem solvers in areas of business, finance, technology and science and to prepare students for graduate studies in applied mathematics.

What types of work are related to this degree?

- Data Collection
- Information Analyst
- Actuary
- Data Analyst
- Accountant
- Statistician
- Underwriting/Claims
- Investment Analyst
- Risk Management
- Sales
- Operations Researcher
- Applied Mathematical Scientist
- Statistical Analyst

Who employs people with this degree?

- Government labs, research offices and agencies
- Federally funded contractors
- Engineering research organizations
- Computer information and software firms
- Energy systems firms
- Electronics and computer manufacturers
- Consulting firms
- Aerospace and transportation equipment manufacturers
- Financial service and investment management firms
- Transportation service providers
- Chemical or pharmaceutical manufacturers
- Medical device companies

More information online at ONETonline.org

Strategies for Success:

- Develop computer and research skills. Learn to use relevant software packages.
- Gain relevant experience through internships, volunteering, summer, or part-time jobs.
- Volunteer to assist a professor with research.
- Gain knowledge of computer languages and programming.
- Master technical writing skills.
- Acquire a business minor or take supplemental courses in business or statistics.
- Become the treasurer of an organization.

Professional Associations:

[Society for Industrial and Applied Mathematics](#)
[American Mathematical Society](#)
[Applied Mathematics Society](#)
[Institute of Mathematical Statistics](#)
[National Association of Mathematicians](#)

[American Statistical Association](#)
[Association for Women in Mathematics](#)
[Conference Board of the Mathematical Sciences](#)
[Mathematical Association of America](#)
[Societies of Actuaries](#)

This information represents possible occupations and strategies for careers with this major. As with any job or career, there may be additional qualifications or experience needed. For more information and options, make an appointment with Career Development or check out our online resources on our website or on theROCK, Career Development tab.