

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 Type 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 at ONETonline.org

General 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 & Leadership Development or check out our online resources on our website or on myUNW, Career & Leadership Development tab.