Mathematics / Statistics

Marketable Skills

Mathematics and Statistics majors develop professional skills including:

- The ability to understand and communicate complex concepts
- Creative approaches to how mathematics can improve industrial/technological processes
- The ability to solve complex problems by means of advanced mathematics, logic, and scientific thinking
- Experience with advanced statistics and risk analysis
- An aptitude for analyzing numerical data, identifying trends, and making calculated forecasts
- The ability to use and interpret tables, charts, and graphs
- Research design experience

Relevant Fields

- Actuarial Science
- Business / Finance
- Computer Science
- Cryptography
- Education
- Engineering
- Operations Research Analysis
- Statistics

Sample Occupational Titles

Bachelor’s Degree:  Advanced Degree:

- Actuary  - Applied Mathematician
- Computer Programmer  - Economist
- Financial Analyst  - Mathematical Researcher
- Market Analyst  - Operations Researcher
- Research Analyst  - Professor
- Retail Buyer  - Statistical Analyst
Print Resources

Find these titles and additional books, periodicals, and handouts in the Career Resource Library:

- Book of Majors by The College Board
- Great Jobs for Math Majors by Stephen Lambert and Ruth DeCotis
- Top Careers for Liberal Arts Graduates by Ferguson Publishing

Online Resources

Visit these websites and others listed in our School-Specific Resources:

- WeUseMath.org
- Hoovers at www.hoovers.com
- Idealist at www.idealista.org
- Occupational Outlook Handbook at www.bls.gov/oco
- O*Net Resource Center at www.onetcenter.org
- Society for Industrial and Applied Mathematics Job Board at www.jobs.siam.org/home/index.cfm?site_id=686
- USAJOBS at www.usajobs.gov
- Vault at www.vault.com

Professional Associations

The following professional associations offer career-related information and job listings:

- American Mathematical Society www.ams.org/profession/career-info/career-index
- Association for Women in Mathematics at www.awm-math.org
- Mathematical Association of America at www.maa.org/careers
- National Council of Teachers of Mathematics at www.nctm.org

Find more professional associations at American Society of Association Executives at www.asaecenter.org/Directories/AssociationSearch.cfm