

What can I do with my Major?

MATHEMATICS



UCONN DEPARTMENT: Mathematics

To learn more about this major check out the department website or schedule a meeting with an academic advisor.

NATURE OF WORK

A primary goal of mathematics is to explain and understand patterns of all kinds: algebraic, geometric, graphical, numerical, and structural, using abstract thinking, logical reasoning, and quantitative calculation. The work of a mathematician can be theoretical, applied, or a combination of the two. Pure mathematicians want to better understand math for its own sake, and this work may in the future become important elsewhere (e.g., in computer science, cryptography, or physics). Applied mathematicians use their skills to develop new mathematical models and methods that can be used in real-life problems now.

Mathematics prepares graduates with transferable skills and qualities that can be beneficial in a variety of industries and careers.

UCONN RESOURCES

- Q Center
- Research Exposure and Education Development in STEM (REEDS)
- UConn Math Club
- Women in Math, Science, and Engineering (WiMSE)

Additional organizations (and the most current information) can be found at the [UConn Student Activities website](#).

A liberal arts and sciences education develops critical thinking, written and oral communication, versatility and problem-solving skills, which are valuable in any career and will help students adapt to an ever-changing world.

PROFESSIONAL ASSOCIATIONS & ADDITIONAL RESOURCES

- American Mathematical Society
- American Statistical Society
- Mathematical Association of America
- National Council of Teachers of Mathematics
- Society for Industrial and Applied Mathematics

Job Boards

- Actuarial Jobs
- Banking Jobs
- Insurance Jobs
- Financial Jobs
- Math Jobs

SAMPLE JOB TITLES

Visit [O*Net](#) and conduct an Occupation Quick Search of each job title to learn more about that career path.

- Accountant
- Actuary
- Aerospace Engineer
- Analyst
- Appraiser
- Bank Examiner
- Biometrician/Biostatistician
- Budget Analyst
- CAD Designer
- Controller
- Cost Estimator/Analyst
- Cryptographer/Cryptologist
- Econometrician
- Auditor
- Investment Banker Risk Analyst
- Inventory Control Specialist
- IRS Investigator
- Market Analyst
- Mathematician
- Math Professor
- Math Teacher
- Numerical Analyst
- Operations Research Analyst
- Product Management Analyst
- Project Manager
- Quality Assurance Analyst
- Research Analyst
- Risk & Insurance Specialist
- SAS Business Analyst
- Securities Broker
- Senior Technical Advisor
- Software System Consultant
- Software Support Specialist
- Technical Writer
- Treasurer Trust Analyst
- Transportation Planner
- Underwriter