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)
UCon Math Club
Women in Math, Science, and Engineering (WiMSE)

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

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.

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