

What can I do with my Major?

MATHEMATICS: APPLIED MATHEMATICAL SCIENCES



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

Applied mathematicians develop techniques and approaches to solving problems in many areas, such as physics, engineering, biology, and economics. Their work typically starts with a practical problem. They envision the separate elements of the process under consideration and convert these different parts into mathematical models that can be solved exactly or, more often, approximately. Coding skills are very important for anyone pursuing a career in applied math.

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

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.

Actuary
Analyst
Appraiser
Bank Examiner
Budget Analyst
Contracts Specialist
Controller
Cost Estimator/Analyst
Cryptologist
Data Analyst
Data Scientist
Demographer
Econometrician
Financial Associate
International Trade Specialist
Investment Banker/Risk Analyst
Inventory Control Specialist
IRS Investigator
Mathematician
Market Analyst
Math Professor
Math Teacher
Numerical Analyst
Operations Research Analyst
Pension Actuary
Product Management Analyst
Quality Assurance Analyst
Research Analyst
Risk & Insurance Specialist
SAS Business Analyst
Securities Broker
Senior Technical Advisor
Software System Consultant
Software Support Specialist
Statistician
Statistical Consultant
Technical Writer
Theoretical Analyst
Treasurer Trust Analyst
Underwriter