

What can I do with my Major?

MATHEMATICS: ACTUARIAL SCIENCE



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

The actuarial science degree is one of the few CLAS majors that prepares students for a specific profession: to become an actuary. Actuaries use mathematics to measure and account for risk in insurance and related businesses. To become a fully licensed actuary, a series of professional exams must be passed and insurance companies give new actuaries paid study time for the exams. In addition to preparing students for an actuarial career, the actuarial science major gives students strong analytical, problem-solving, and critical-thinking skills that can be applied to a variety of industries and career sectors. Graduates of this program who do not pursue an actuarial career may find jobs in other parts of the insurance industry, such as sales, financial consulting, and business operations.

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
Casualty Actuarial Society
Gamma Iota Sigma
Mathematical Association of America
National Council of Teachers of
Mathematics
Society for Industrial and Applied
Mathematics
Society of Actuaries

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
Actuarial and Statistical Services
Appraiser
Bank Examiner
Biometrician/Biostatistician
Budget Analyst
Casualty Actuary
Consulting Actuary
Controller
Cost Estimator/Analyst
Econometrician
Financial Auditor
Health Actuary
International Trade Specialist
Investments Actuary
Investment Banker Risk Analyst
Inventory Control Specialist
IRS Investigator
Mathematician/Statistician
Market Analyst
Math Teacher
Operations Research Analyst
Pension Actuary
Public Health Statistician
Product Development 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
Technical Writer
Treasurer Trust Analyst
Transportation Planner
Underwriter