

# What can I do with my Major?



## STATISTICS

### UCONN DEPARTMENT: Statistics

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

### NATURE OF WORK

Statistics deals with the collection, analysis, and presentation of numerical data by way of mathematical theories. If valid, this information is used to help various agencies, industries, and researchers determine the best ways to produce results in their work. This data is then examined and determined to be reliable and useful or invalid. In order to make valid interpretations possible, statisticians advise on sampling techniques, data collection methods, survey design/methodology, and methods of data analysis. Theories such as probability and inference are examined to discover the mathematical bases for new and/or improved methods of obtaining and evaluating numerical data.

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

### UCONN RESOURCES

Department of Statistics  
Math Club  
Q Center  
Women in Math, Science and Engineering

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

### PROFESSIONAL ASSOCIATIONS & ADDITIONAL RESOURCES

Be An Actuary-Information on Careers in Actuarial Science  
Institute of Mathematical Statistics  
International Association for Statistical Education  
International Biometric Association  
International Statistical Institute  
Society for Industrial and Applied Math  
The Biometric Society  
We Use Math-Information on Careers in Math

### 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  
Appraiser  
Benefits Administrator  
Biometrician/Biostatistician  
Budget Analyst  
Claims Adjuster  
Computer Programmer  
Computer Test Specialist  
Contract Administrator  
Cost Estimator/Analyst  
Cryptographer/Cryptologist  
Data Analytics Associate  
Econometrician  
Environmental Statistician  
Foreign-Exchange Trader  
Information Scientist  
International Trade Specialist  
ISO 2000 Specialist  
Mathematician  
Numerical Analyst  
Operations Research Analyst  
Public Health Statistician  
Psychometrist  
Quality Assurance Analyst  
Research Analyst  
Risk & Insurance Specialist  
Robotics Programmer  
Sports Statistician  
Statistical Software Support Statistician  
Stock Analyst  
Supply Chain Analyst  
Technical Writer  
Underwriter

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.