



# BACHELOR OF SCIENCE IN ECONOMICS AND DATA SCIENCE

The STEM-designated Bachelor of Science in Economics and Data Science is a joint degree offered through the LeBow College of Business and the College of Computing & Informatics. Through the core requirements in economics, students gain insight into market mechanisms, incentive structures and causal inference. Meanwhile, coursework in data science equips students to work with the expanding amount of data that is of increasing importance in economics, business and everyday life. These two disciplines give economics and data science majors a unique strength in using data to understand the modern world. Additionally, the program provides students with one year of free electives to explore other areas of interest.

## COURSEWORK

- Applied Deep Learning
- Applied Econometrics
- Cloud Computing and Big Data
- Computing and Security Technology
- Experiments and Causality in Economics
- Game Theory and Applications
- Information Visualization
- Macroeconomics
- Microeconomics
- Social Media and Data Analysis
- Using Big Data to Solve Social Problems

## CAREER OUTLOOK

Graduates of the BS in Economics and Data Science will be prepared for positions such as data scientist, data engineer, market analyst, machine-learning engineer, economic research analyst and information research scientist. They'll also be ready to pursue graduate studies in economics, business, data science or related fields.

## MORE WAYS TO STUDY ECONOMICS

- BS in Economics
- BS in Behavioral Economics, Business and Organizations
- BS in Economics and Business
- BS in Economics and Mathematics
- BS in Economics and Public Health
- BA in Economics
- BA in Philosophy, Politics and Economics
- Minor in Economics
- Minor in Behavioral Economics and Business
- Minor in International Economics



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