ECON 2105: Principles of Macroeconomics
3 Credit Hours

Prerequisite: Business Majors: MATH 1111 or higher; Non-business Majors: MATH 1101 or higher

This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies.

ECON 2106: Principles of Microeconomics
3 Credit Hours

Prerequisite: Business Majors: MATH 1111 or higher; Non-business Majors: MATH 1101 or higher.

This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze structure and performance of the market economy.

ECON 2300: Business Statistics
3 Credit Hours

Prerequisite: Business Majors: MATH 1111; Non-business Majors: MATH 1101

An introduction to descriptive and inferential statistics with an emphasis on business applications. Topics covered include data summarization, probability distributions, sampling methods, confidence intervals, hypothesis testing, online data sources, and ethics in research. Small case studies are used to illustrate statistical applications within business settings.

ECON 3300: Applied Statistical and Optimization Models
3 Credit Hours

Prerequisite: IS 2200 and (ECON 2300 or STAT 1401), 60 credit hours with a minimum GPA of 2.0, and Admission to the Coles College Undergraduate Professional Program or student in a Coles College Partner Program that includes this course.

This course will convey a working knowledge of several of the most commonly employed quantitative models to support data analysis and improved decision-making within a business environment. Students will learn to identify and apply the appropriate modelling techniques as well as how solve the resultant models via spreadsheet tools and applications. In addition, the course promotes and develops problem-solving and critical thinking skills through the evaluation of problem scenarios and short case-studies.