

Cendara University

Department of Economics

Course Catalog 2024–2025

Undergraduate Program: B.Sc. in Economics Specializations: Macroeconomics, Econometrics, International Economics

Undergraduate Courses

ECON 101: Principles of Microeconomics

Credits: 3

Description:

Introduction to microeconomic theory, including supply and demand, market structures, consumer behavior, and the role of government. Emphasis on real-world applications and critical thinking about everyday economic issues.

Prerequisites: None

ECON 102: Principles of Macroeconomics

Credits: 3

Description:

Foundations of macroeconomics: national income, economic growth, unemployment, inflation, monetary and fiscal policy. Analysis of current macroeconomic challenges and policy debates.

Prerequisites: None

ECON 201: Intermediate Microeconomics

Credits: 3

Description:

Detailed study of consumer theory, production and costs, market equilibrium, and competitive markets. Introduction to strategic behavior and market failures.

Prerequisites: ECON 101

ECON 202: Intermediate Macroeconomics

Credits: 3

Description:

Examination of economic growth, business cycles, aggregate demand and supply, and the impacts of monetary and fiscal policies on national and global economies.

Prerequisites: ECON 102

ECON 210: Statistics for Economists

Credits: 3

Description:

Introduction to statistical concepts, probability theory, and data analysis in economics. Hands-on experience with statistical software and interpretation of economic data sets.

Prerequisites: None

ECON 221: Introduction to Econometrics

Credits: 3

Description:

Statistical techniques in estimating economic models: regression analysis, hypothesis testing, and forecasting. Practical applications using real-world data.

Prerequisites: ECON 210

ECON 230: Money and Banking

Credits: 3

Description:

Study of money, banking systems, and financial institutions. Analysis of central banking, monetary policy, and their effects on the economy.

Prerequisites: ECON 102

ECON 240: International Economics

Credits: 3

Description:

Theories of international trade, exchange rates, trade policy, and their impact on global economic relations. Discussion of current international economic issues.

Prerequisites: ECON 101, ECON 102

ECON 270: Development Economics**Credits:** 3**Description:**

Examination of economic development in low- and middle-income countries. Focus on poverty, inequality, population growth, and policy strategies for promoting sustainable development.

Prerequisites: ECON 102

ECON 310: Public Finance**Credits:** 3**Description:**

Economic analysis of government expenditures and tax policies. Role of government in resource allocation, income distribution, and economic stability.

Prerequisites: ECON 201

ECON 320: Game Theory and Strategic Behavior**Credits:** 3**Description:**

Introduction to the fundamentals of game theory, including Nash equilibrium, repeated games, and applications to business, politics, and economics.

Prerequisites: ECON 201

ECON 350: Labor Economics**Credits:** 3**Description:**

Analysis of labor markets, wage determination, employment, and the effects of unions and government policies on labor outcomes.

Prerequisites: ECON 201

ECON 360: Environmental Economics**Credits:** 3**Description:**

Study of the economics of environmental policy, natural resource management, and sustainability. Discussion of market-based solutions to environmental challenges.

Prerequisites: ECON 201

ECON 399: Research Methods in Economics

Credits: 3

Description:

Training in empirical research design, data collection, and interpretation of results. Preparation for honors thesis or upper-level research projects.

Prerequisites: ECON 221, Junior standing

ECON 410: Senior Seminar in Economics

Credits: 3

Description:

Capstone course requiring the completion and presentation of an independent research project. Emphasis on integrating theory, data, and policy analysis.

Prerequisites: Senior standing, ECON 399

Additional Undergraduate Electives

- **ECON 273: Economics of Inequality** (3 credits, Prerequisite: ECON 201)

Focuses on measurement and determinants of economic inequality within and across countries.

- **ECON 280: Behavioral Economics** (3 credits, Prerequisite: ECON 201)

Explores how psychological factors influence economic decision-making.

Graduate Program: M.Sc. in Economics

Concentration: Advanced microeconomic and macroeconomic theory, applied research

Graduate Courses

ECON 501: Mathematical Methods for Economists

Credits: 4

Description:

Advanced mathematical techniques for economic modeling: calculus, optimization, and linear algebra tailored to economic applications.

Prerequisites: Undergraduate-level mathematics

ECON 510: Advanced Microeconomic Theory

Credits: 4

Description:

Rigorous analysis of consumer and producer behavior, market equilibrium, general equilibrium, and welfare economics.

Prerequisites: ECON 201 or equivalent

ECON 520: Advanced Macroeconomic Theory

Credits: 4

Description:

Explores advanced models of economic growth, expectations, and policy analysis. Topics include real business cycle theory and dynamic stochastic general equilibrium.

Prerequisites: ECON 202 or equivalent

ECON 530: Econometric Theory and Methods

Credits: 4

Description:

Advanced methods in estimation, hypothesis testing, time series analysis, and panel data models. Implementation using econometric software.

Prerequisites: ECON 221, undergraduate-level statistics

ECON 561: International Trade and Finance

Credits: 3

Description:

Contemporary theory and practice of international trade, capital flows, exchange rates, and the global financial system.

Prerequisites: ECON 240 or equivalent

ECON 570: Applied Policy Analysis

Credits: 3

Description:

Methodologies for evaluating the economic impact of public policies in areas such as health, education, and taxation. Emphasis on cost-benefit analysis and real-world case studies.

Prerequisites: ECON 510, ECON 530

ECON 590: Research Seminar

Credits: 3

Description:

Weekly seminar addressing current research topics in economics. Presentations by faculty, visiting scholars, and students.

Prerequisites: Enrollment in M.Sc. program

ECON 599: Thesis in Economics

Credits: 6

Description:

Supervised independent research culminating in a written thesis and oral defense. Open only to M.Sc. candidates in their final term.

Prerequisites: Completion of core M.Sc. coursework and approval of thesis proposal

Graduate Electives

- **ECON 582: Topics in Development Economics** (3 credits, Prerequisites: ECON 510)

In-depth study of advanced issues in economic development, including field experiments and policy interventions.

- **ECON 584: Advanced Econometrics** (3 credits, Prerequisites: ECON 530)

Advanced topics: limited dependent variables, instrumental variables, and nonlinear models.

For additional information, please contact the Department of Economics at economics@cendara.edu, or consult the full course catalog at www.cendara.edu/economics/courses.
