

# Cendara University

## Department of Economics

### Course Catalog 2024–2025

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

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## 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

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### **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

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### **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

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### **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

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### **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

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### **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

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### **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

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### **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

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**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

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**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

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**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

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**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

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**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

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### **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

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### **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

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### **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.
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### **Graduate Program: M.Sc. in Economics**

Concentration: Advanced microeconomic and macroeconomic theory, applied research

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### **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

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### **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

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### **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

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### **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

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### **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

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### **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

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### **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

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### **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

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### **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.
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For additional information, please contact the Department of Economics at [economics@cendara.edu](mailto:economics@cendara.edu), or consult the full course catalog at [www.cendara.edu/economics/courses](http://www.cendara.edu/economics/courses).

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