Bachelor of Science in Economics (4 Years, 240 ECTS)

An economics program grounded in theory and econometrics, training students to analyze incentives, markets, and policy using real data and clear causal reasoning.

Program Overview

- **Award:** B.Sc. in Economics
- **Duration:** 8 Semesters (4 academic years)
- **Total Credits:** 240 ECTS
- **Delivery:** Lectures (L), Seminars (SE), Tutorials (T), Computing Labs (CL), Studio/Project (S), Internship (I)
- **Workload:** 1 ECTS ≈ 25–30 hours
- **Program Pillars:** Microeconomics • Macroeconomics • Econometrics • Game Theory • Public Economics • Development & Inequality • International Economics • Behavioral Economics • Ethics & Policy Analysis
- **Signature Experiences:** policy clinic, applied econometrics lab, and a thesis-style capstone using real data.

Graduate Learning Outcomes

Graduates will be able to:

1. **Economic Reasoning.** Use micro and macro frameworks to analyze markets, institutions, and policy trade-offs.
2. **Quantitative Skills.** Apply calculus, statistics, and econometric methods to economic questions.
3. **Causal Thinking.** Design identification strategies and interpret evidence with attention to confounding and bias.
4. **Data Analysis.** Work with real datasets to clean, model, and communicate economic insights.
5. **Policy Evaluation.** Assess the likely impacts of policies using welfare, distributional, and efficiency criteria.
6. **Communication.** Write clear policy memos and present findings to technical and non-technical audiences.

7 **Ethical Practice.** Consider equity, externalities, and responsible use of data in economic decision-making.

8 **Applications.** Apply economics to finance, business strategy, labor markets, and global development.

Curriculum Structure

Structured across 8 semesters (30 ECTS each). Most courses are 6 ECTS unless otherwise noted.

Year 1

Semester 1 (30 ECTS)

- Principles of Microeconomics - 6 ECTS
- Mathematics for Economists I - 6 ECTS
- Academic Writing & Argumentation - 6 ECTS
- Introduction to Data & Spreadsheets - 6 ECTS
- Global Issues Seminar - 6 ECTS

Semester 2 (30 ECTS)

- Principles of Macroeconomics - 6 ECTS
- Mathematics for Economists II - 6 ECTS
- Statistics I - 6 ECTS
- Economic History (Intro) - 6 ECTS
- Economics Ethics & Research Integrity - 6 ECTS

Year 2

Semester 3 (30 ECTS)

- Intermediate Microeconomics I - 6 ECTS
- Intermediate Macroeconomics I - 6 ECTS
- Statistics II - 6 ECTS
- Econometrics I - 6 ECTS
- Technical Elective I - 6 ECTS

Semester 4 (30 ECTS)

- Intermediate Microeconomics II - 6 ECTS
- Intermediate Macroeconomics II - 6 ECTS
- Econometrics II (Causal Methods) - 6 ECTS
- Game Theory - 6 ECTS
- Technical Elective II - 6 ECTS

Year 3

Semester 5 (30 ECTS)

- Public Economics - 6 ECTS
- International Economics - 6 ECTS
- Applied Econometrics Lab - 6 ECTS
- Behavioral Economics - 6 ECTS
- Technical Elective III - 6 ECTS

Semester 6 (30 ECTS)

- Labor Economics - 6 ECTS
- Monetary Economics - 6 ECTS
- Policy Evaluation Studio - 6 ECTS
- Technical Elective IV - 6 ECTS
- Internship or Research Assistantship - 6 ECTS

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Year 4

Semester 7 (30 ECTS)	• Advanced Econometrics (Panel/Time Series) - 6 ECTS • Development Economics - 6 ECTS • Economics of Inequality - 6 ECTS • Technical Elective V - 6 ECTS • Capstone I (Proposal & Data Collection) - 6 ECTS
Semester 8 (30 ECTS)	• Capstone II (Thesis & Presentation) - 12 ECTS • Industrial Organization (Intro) - 6 ECTS • Economic Forecasting - 6 ECTS • Advanced Seminar & Presentation - 6 ECTS

Technical Elective Tracks

Choose at least 5 electives; focus on one track for specialization.

Track A — Policy & Government

- Tax Policy
- Health Economics
- Education Economics
- Cost-Benefit Analysis

Track B — Finance & Markets

- Asset Pricing (Intro)
- Corporate Finance (Intro)
- Banking & Regulation
- Financial Econometrics

Track C — Global Development

- Impact Evaluation
- Migration Economics

- Institutions & Growth
- Humanitarian Economics

Track D — Data & Econometrics

- Machine Learning for Economists
- Causal ML
- Text as Data
- Spatial Econometrics

Learning Resources & Facilities

Econometrics Computing Lab

R/Stata/Python support with reproducible workflow training and code review sessions.

Policy Clinic

Studio-style projects with community partners to answer real policy questions.

Data Library

Curated datasets and documentation for economic research and capstone work.

Speaker Series

Regular talks by economists from central banks, research institutes, and industry.

Capstone Project Examples

- **Minimum Wage Impact Study**
  Use quasi-experimental methods to estimate employment and wage effects.
- **Inflation Forecasting Model**
  Build and compare forecasting models and communicate uncertainty to stakeholders.
- **Housing Affordability Analysis**
  Combine market data and policy variables to quantify affordability constraints.
- **Education Intervention Evaluation**
  Design an evaluation plan and analyze outcomes with causal inference tools.