# Applied Economics and Markets

Duration
**2 YEARS (120 ECTS)**

Language
**ENGLISH**

Place of teaching
**BOLOGNA**

Department
**ECONOMICS**

Type of access
**OPEN ACCESS**
Admissions are based on a student's CV and qualifications. There are no other limits.

LMAEM website

**This program aims at training highly qualified professionals in the relevant applied fields of economics and finance.**

Our students will be able to understand the dynamics and mechanisms of **monetary and financial markets**, and their interconnections with the real economy.

They will be able to quantify the impact of **alternative strategic decisions** at both microeconomic and macroeconomic level, as well as to evaluate and analyse **future economic trends**.

## Reasons to enrol

You should enroll in this course if you are interested in applied economics and econometrics and if you want to pursue a career as a **highly qualified applied economist and consultant** in and for corporations of the financial industry and of the real economy.

# Learning activities

# Course Structure Diagram

## First year

*for students with no background in mathematics or statistics*

| Crash courses | Refresh course in Mathematics | Refresh course in Statistics |
|---|---|---|

*mandatory for all the students*

| Fundamentals | Mathematical methods for economists | Statistical methods for economic analysis | Modeling individual behaviour | Econometrics for individual data | Macroeconomic models for policy analysis | Time series econometrics | Corporate law |
|---|---|---|---|---|---|---|---|

*choose two*

| Advanced topics in Economics | Industrial economics | International economics and trade | Monetary economics |
|---|---|---|---|

*choose one*

| Open-source programming | Python for economists | R for economists |
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## Second year

### TRACK IN FINANCIAL AND MONETARY ECONOMICS

| Financial Instruments and Portfolio Theory | Options, Futures and Derivatives | Portfolio Theory |
|---|---|---|

*choose three*

| Financial and Monetary Economics | Probability and stochastic processes for finance | Contract theory and incentives | Advanced computer programming and Python | International monetary economics | Econometrics of financial markets | Quantitative finance |
|---|---|---|---|---|---|---|
| | Decisions and investments | Macrofinance | Private equity, venture capital and fintech financing | Forecasting in business and economics | Green finance: asset management, transition risk and environmental social governance | |

### TRACK IN MEASURING AND MODELING ECONOMICS

| Management Decisions and Corporate Governance | Internatonal accounting | Corporate governance: an international perspective |
|---|---|---|

*choose three*

| Financial and Monetary Economics | Industrial policies and antitrust | Contract theory and incentives | Advanced computer programming and Python | Forecasting in business and economics | Introduction to machine learning for economists | Econometrics for decision making |
|---|---|---|---|---|---|---|
| | Economic analysis of business strategic decisions | Economics of regulation | Economics of consumption and saving | Environmental economics | Environmental economic policy | Green finance: asset management, transition risk and environmental social governance |