



# Master of science (MSc) in economics

## GENERAL OUTLINE

### Objectives

The Master of Science in Economics (MScE) provides you with the skills for a successful career as a professional economist. Our curriculum also prepares you well for a PhD program in economics, both in Switzerland and abroad. Our MScE is internationally recognized because our faculty is active in international research circles and many of our previous graduates have done very well professionally both in the private sector and in the academic world.

Our main objective is to provide you with a thorough approach to economics. We believe that acquiring analytical and quantitative skills early on is essential for any professional economist. Whereas a Bachelor's degree provides basic knowledge and intuition, our program offers courses on the foundations of economics analysis and applications.

These foundations are key towards making real analytical and managerial contributions in both public and private sector positions, or in the world of academic research.

We ensure that you have the best resources available for your studies. Our classes are typically small which allows us to engage in a real dialogue with you.

The primary objectives of the various modules of the MScE are to introduce, to analyze and to apply state-of-the-art methods in economic and econometric research.

## GENERAL INFORMATION

### Organizer

HEC Lausanne: [www.unil.ch/hec](http://www.unil.ch/hec)  
Department of Economics (DE):  
[www.hec.unil.ch/de](http://www.hec.unil.ch/de)

### Degree awarded

Maîtrise universitaire ès Sciences  
en économie politique  
Master of Science (MSc) in Economics,  
mentions:

- Macroeconomic Policy
  - Microeconomic Policy
  - Quantitative Economics
  - Business Economics
- Possible specialization area:
- Behaviour, Economics and Evolution

### ECTS credits

120

### Duration

4 semesters

### Teaching language

English. Recommended level: C1.

### Academic advisor

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### Additional information

[www.unil.ch/hec/masters](http://www.unil.ch/hec/masters)



Version: February 2019  
Subject to changes.  
Only the official texts should be considered binding.

## EDUCATIONAL CONTENT

### Description

Our MScE program spans two years, comprising four semesters. You can specialize by choosing one or two of the following mentions: Macroeconomic Policy, Microeconomic Policy, Quantitative Economics, Business Economics. The first three semesters offer a collection of compulsory and elective courses which can lead to one specialization in Behaviour, Economics and Evolution representing 30 ECTS credits. The last semester is entirely dedicated to your work on the Master's thesis.

During the first semester, we offer a series of foundation courses reviewing key economic concepts at a level that continues from a third-year undergraduate course in economics.

In the second semester, we offer courses in advanced theory that build on the knowledge gained during the first semester and cover the main areas of modern economics. These courses provide you with the key analytical and quantitative tools required to carry out your own research.

In the third semester, we offer a series of applied courses in both microeconomics and macroeconomics.

In the fourth semester, you demonstrate your analytical and quantitative skills in the context of your Master's thesis. This thesis covers a subject of your choice and provides an economic analysis of that topic. You can also write your thesis in the context of an internship in a private or public sector organization. Students in the BEE specialization write a thesis that is co-supervised by one professor from the department of economics, and one professor from the school of biology.

### Mobility

You can spend your third semester in any university recognized by the University of Lausanne in the context of the mobility exchange program. You can earn up to 30 ECTS in your exchange institution. Submit the list of courses to the director of the Master's program to get these courses and credits approved prior to taking them.

## SYLLABUS\*

### 1<sup>st</sup> semester

- 3 compulsory
- Econometrics
- Macroeconomics
- Microeconomics

and the choice between:

Option A:

- Applied Mathematics
- Mathematics for Economics & Finance

Option B:

- Economic Policy Seminar
- Mathematics for Economic Policy

Option C BEE specialization:

- Ecology and Evolution
- Mathematics for Economic Policy

### 30 ECTS credits

### 2<sup>nd</sup> semester

- Advanced Topics in Industrial Organization
- Behaviour, Economics and Evolution Lecture Series
- Business Cycles
- Competition Policy
- Economic Growth
- Environmental Economics
- Financial Institutions and Regulation
- Game Theory
- International Macroeconomics
- Leadership Development
- Macroeconometrics
- Microeconometrics
- Political and Institutional Economics
- Courses on Evolution and Biology

### 30 ECTS credits

### 3<sup>rd</sup> semester

- Behavioral Economics
- Development Economics
- Dynamic Macroeconomic Models
- Economic Analysis and Communication
- Experimental Methods
- Health Economics
- International Trade
- Labour Economics
- Macroeconomic Policy
- Macroeconomics of Financial Crises
- Macro Finance
- Organizational Theory and Decision Making
- Public Economics
- Regulatory Economics

### 30 ECTS credits

### 4<sup>th</sup> semester

Research or internship Master thesis

### 30 ECTS credits

\* the official study plan prevails.

## GENERAL INFORMATION

### Admission requirements

A Bachelor's degree from a Swiss university in Economics, Management, Finance or Information Systems with a good background in Economics.

Another degree or university qualification may be judged equivalent and give access to the Master's program, with or without conditions.

### Enrolment and final dates

The candidate's application must be submitted to the UNIL Admissions Department before 30<sup>th</sup> April: [www.unil.ch/immat](http://www.unil.ch/immat)

Candidates needing a study visa: 28<sup>th</sup> February

### Start of courses

Mid-September. Academic calendar: [www.unil.ch/central/calendar](http://www.unil.ch/central/calendar)

### Part-time Master's degree

Under certain conditions, this Master program can be followed part-time: [www.unil.ch/formations/tempspartiel](http://www.unil.ch/formations/tempspartiel)

### General information on studies

[www.unil.ch/soc](http://www.unil.ch/soc)

### Career prospects

[www.unil.ch/perspectives](http://www.unil.ch/perspectives)  
[www.heccareercenter.ch](http://www.heccareercenter.ch)

### Accommodation and financial assistance

[www.unil.ch/sasme](http://www.unil.ch/sasme)

### International

[www.unil.ch/international](http://www.unil.ch/international)



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