

Master in Economics : Econometrics

Focus Research in Economics

Both variants of the Master consist of a common core of required courses, and a series of elective courses; they also both require the writing of a master's thesis.

The research-oriented Master in Economics offers two specialisation tracks:

- > Advanced Methods
- > Topics in Economics

The research-oriented Master in Economics and Statistics offers two specialisation tracks:

- > Economics
- > Statistics

Bloc 1 | M-ECOER | MA-ECOE

Cours Obligatoires

ECON-S427	Graduate macroeconomics I Fabio Blasutto (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 💬 English
ECON-S428	Graduate econometrics I Germain VAN BEVER (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 💬 English
ECON-S429	Graduate econometrics II Paula Eugenia GOBBI (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 💬 English
ECON-S430	Graduate macroeconomics II Robert KOLLMANN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 💬 English
ECON-S431	Graduate microeconomics II Luca Paolo Merlino (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 💬 English
ECON-S510	Graduate microeconomics I Georg KIRCHSTEIGER (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 💬 English
ECON-S517	Research topics Philip VERWIMP (Coordinator) and Gani ALDASHEV ⌚ 5 credits [lecture: 24h] 📅 second term 💬 English
MATH-S400	Mathematics and economic modelling Thomas DEMUYNCK (Coordinator), Bram DE ROCK and Luca Paolo Merlino ⌚ 5 credits [lecture: 36h, tutorial classes: 24h] 📅 first term 💬 English
MATH-S401	Dynamic optimization Thomas DEMUYNCK (Coordinator), Bram DE ROCK and Luca Paolo Merlino ⌚ 5 credits [lecture: 36h, tutorial classes: 24h] 📅 second term 💬 English

Master in Economics : Econometrics

Focus Research in Economics

Bloc 2 | M-ECOER | MA-ECOE

Cours Obligatoires

ECON-S504 **Research methods and research communication** | Philip VERWIMP (Coordinator)

⌚ 5 credits [lecture: 36h] 📅 first term 🗨 English

MEMO-S522 **Research seminar and master Thesis**

⌚ 25 credits 📅 first and second terms 🗨 English

Cours Optionnels

Choisir parmi les 2 filières proposées (15 crédits dans chaque filière)

A total of 30 credits chosen from the following

Advanced methods

A total of 15 credits chosen from the following

ECON-S460 **Advanced topics in microeconomics** | Micael CASTANHEIRA DE MOURA (Coordinator)

(optional) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English

ECON-S461 **Advanced topics in macroeconomics**

(optional) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English

ECON-S513 **Behavioral economics** | Georg KIRCHSTEIGER (Coordinator)

(optional) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English

ECON-S519 **Graduate microeconomics III** | Georg KIRCHSTEIGER (Coordinator)

(optional) ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 English

ECON-S520 **Graduate macroeconomics III**

(optional) ⌚ 5 credits [lecture: 36h] 📅 first term 🗨 English

ECON-S521 **Graduate econometrics III** | David PREINERSTORFER (Coordinator)

(optional) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English

Ce cours ne sera pas donné en 2022-2023.

One course chosen from the following

HULB-0000 **Cours externe à l'Université**

(optional) ⌚ 5 credits 📅 academic year

HULB-0000 **Cours externe à l'Université**

(optional) ⌚ 10 credits 📅 academic year

STAT-F404 **Graduate statistics** | Thomas VERDEBOUT (Coordinator) and Davy PAINDAVEINE

(optional) ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 English

STAT-F405
(optional)

Time series analysis | Yves-Caoimhin SWAN (Coordinator)

⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗣 English

STAT-F408
(optional)

Computational statistics | Maarten JANSEN (Coordinator)

⌚ 5 credits [lecture: 24h, tutorial classes: 12h, project: 100h] 📅 second term 🗣 English

TEMP-0000
(optional)

Cours extérieurs au programme

⌚ 5 credits 📅 academic year 🗣 French

Topics in economics

A total of 15 credits chosen from the following

ECON-S320
(optional)

Advanced topics in international economics | Mathieu PARENTI (Coordinator)

⌚ 5 credits [lecture: 24h] 📅 second term 🗣 English

ECON-S432
(optional)

Advanced international trade | Paola CONCONI (Coordinator) and Mathieu PARENTI

⌚ 5 credits [lecture: 24h] 📅 second term 🗣 English

ECON-S451
(optional)

Advanced industrial organization | Mattia Nardotto (Coordinator)

⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗣 English

ECON-S453
(optional)

Impact analysis | Philip VERWIMP (Coordinator)

⌚ 5 credits [lecture: 12h, tutorial classes: 12h] 📅 first term 🗣 English

ECON-S529
(optional)

Development economics | Philip VERWIMP (Coordinator)

⌚ 5 credits [lecture: 24h] 📅 second term 🗣 English

One course chosen from the following

HULB-0000
(optional)

Cours externe à l'Université

⌚ 5 credits 📅 academic year

HULB-0000
(optional)

Cours externe à l'Université

⌚ 10 credits 📅 academic year

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The research-oriented Master in Economics offers two specialisation tracks:

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- > Topics in Economics

The research-oriented Master in Economics and Statistics offers two specialisation tracks:

- > Economics
- > Statistics

Bloc 1 | M-ECOES | MA-ECOE

Cours obligatoires

ECON-S427	Graduate macroeconomics I Fabio Blasutto (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 💬 English
ECON-S428	Graduate econometrics I Germain VAN BEVER (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 💬 English
ECON-S429	Graduate econometrics II Paula Eugenia GOBBI (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 💬 English
ECON-S430	Graduate macroeconomics II Robert KOLLMANN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 💬 English
ECON-S431	Graduate microeconomics II Luca Paolo Merlino (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 💬 English
ECON-S510	Graduate microeconomics I Georg KIRCHSTEIGER (Coordinator) ⌚ 10 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 💬 English
STAT-F404	Graduate statistics Thomas VERDEBOUT (Coordinator) and Davy PAINDAVEINE ⌚ 5 credits [lecture: 24h] 📅 first term 💬 English
STAT-F405	Time series analysis Yves-Caoimhin SWAN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 💬 English
STAT-F407	Stochastic models Maarten JANSEN (Coordinator) and Jennifer ALONSO GARCIA ⌚ 5 credits [lecture: 36h, tutorial classes: 12h] 📅 first term 💬 English

Master in Economics : Econometrics

Focus Research in Economics and statistics

Bloc 2 | M-ECOES | MA-ECOE

Cours obligatoires

- ECON-S504 **Research methods and research communication** | Philip VERWIMP (Coordinator)
⌚ 5 credits [lecture: 36h] 📅 first term 🗨 English
- MEMO-S522 **Research seminar and master Thesis**
⌚ 25 credits 📅 first and second terms 🗨 English

Cours optionnels

Parmi les 2 filières proposées,

A total of 25 credits chosen from the following

Economics

2 to 4 courses chosen from the following

- ECON-S320 (optional) **Advanced topics in international economics** | Mathieu PARENTI (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S432 (optional) **Advanced international trade** | Paola CONCONI (Coordinator) and Mathieu PARENTI
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S451 (optional) **Advanced industrial organization** | Mattia Nardotto (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 English
- ECON-S453 (optional) **Impact analysis** | Philip VERWIMP (Coordinator)
⌚ 5 credits [lecture: 12h, tutorial classes: 12h] 📅 first term 🗨 English
- ECON-S460 (optional) **Advanced topics in microeconomics** | Micael CASTANHEIRA DE MOURA (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S461 (optional) **Advanced topics in macroeconomics**
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S513 (optional) **Behavioral economics** | Georg KIRCHSTEIGER (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
- ECON-S519 (optional) **Graduate microeconomics III** | Georg KIRCHSTEIGER (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 first term 🗨 English
- ECON-S520 (optional) **Graduate macroeconomics III**
⌚ 5 credits [lecture: 36h] 📅 first term 🗨 English
- ECON-S521 (optional) **Graduate econometrics III** | David PREINERSTORFER (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 English
Ce cours ne sera pas donné en 2022-2023.

Statistics

2 to 4 courses chosen from the following

HULB-0000 (optional)	Cours externe à l'Université ⌚ 5 credits 📅 academic year
INFO-F422 (optional)	Statistical foundations of machine learning Gianluca BONTEMPI (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, project: 60h] 📅 second term 🗣 English
STAT-F408 (optional)	Computational statistics Maarten JANSEN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, project: 100h] 📅 second term 🗣 English
STAT-F418 (optional)	Topics in nonparametric smoothing Maarten JANSEN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗣 English Ce cours n'est pas donné en 2023-24 ,2025-26 etc.
STAT-F420 (optional)	Topics in mathematical statistics Thomas VERDEBOUT (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗣 English
STAT-F421 (optional)	Topics in probability theory Yves-Caoimhin SWAN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 second term 🗣 English Ce cours n'est pas donné en 2024-2025, 2026-2027 etc.
STAT-F507 (optional)	Sequential analysis ⌚ 5 credits [lecture: 24h] 📅 second term 🗣 English
TEMP-0000 (optional)	Cours extérieurs au programme ⌚ 5 credits 📅 academic year 🗣 French