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

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Coordinator(s)</th>
<th>Credits</th>
<th>Term</th>
<th>Language</th>
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<tbody>
<tr>
<td>ECON-S427</td>
<td>Graduate macroeconomics I</td>
<td>Fabio Blasutto (Coordinator)</td>
<td>10</td>
<td>first term</td>
<td>English</td>
</tr>
<tr>
<td>ECON-S428</td>
<td>Graduate econometrics I</td>
<td>Germain VAN BEVER (Coordinator)</td>
<td>10</td>
<td>first term</td>
<td>English</td>
</tr>
<tr>
<td>ECON-S429</td>
<td>Graduate econometrics II</td>
<td>Paula Eugenia GOBBI (Coordinator) and Alejandra Ramos</td>
<td>5</td>
<td>second term</td>
<td>English</td>
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<tr>
<td>ECON-S430</td>
<td>Graduate macroeconomics II</td>
<td>Robert KOLLMANN (Coordinator)</td>
<td>5</td>
<td>second term</td>
<td>English</td>
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<tr>
<td>ECON-S431</td>
<td>Graduate microeconomics II</td>
<td>Luca Paolo Merlino (Coordinator)</td>
<td>5</td>
<td>second term</td>
<td>English</td>
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<tr>
<td>ECON-S510</td>
<td>Graduate microeconomics I</td>
<td>Georg KIRCHSTEIGER (Coordinator)</td>
<td>10</td>
<td>first term</td>
<td>English</td>
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<tr>
<td>ECON-S517</td>
<td>Research topics</td>
<td>Philip VERWIMP (Coordinator) and Gani ALDASHEV</td>
<td>5</td>
<td>second term</td>
<td>English</td>
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<tr>
<td>MATH-S400</td>
<td>Mathematics and economic modelling</td>
<td>Thomas DEMUYNCK (Coordinator), Bram DE ROCK and Luca Paolo Merlino</td>
<td>5</td>
<td>first term</td>
<td>English</td>
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<tr>
<td>MATH-S401</td>
<td>Dynamic optimization</td>
<td>Thomas DEMUYNCK (Coordinator), Bram DE ROCK and Luca Paolo Merlino</td>
<td>5</td>
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<td>English</td>
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</tbody>
</table>
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 (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.

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

STAT-F404 (optional) Graduate statistics | Thomas VERDEBOUT (Coordinator) and Davy PAINDAVEINE
- 5 credits [lecture: 24h]
- First term
- English
Topics in economics

A total of 15 credits chosen from the following

**ECON-S320**  
(absolute)  
Advanced topics in international economics | Mathieu PARENTI (Coordinator)  
5 credits [lecture: 24h]  
second term  
English

**ECON-S432**  
(absolute)  
Advanced international trade | Mathieu PARENTI (Coordinator), Filippo Biondi and Paola CONCONI  
5 credits [lecture: 24h]  
second term  
English

**ECON-S451**  
(absolute)  
Advanced industrial organization | Mattia Nardotto (Coordinator)  
5 credits [lecture: 24h, tutorial classes: 24h]  
second term  
English

**ECON-S453**  
(absolute)  
Impact analysis | Philip VERWIMP (Coordinator)  
5 credits [lecture: 24h, tutorial classes: 12h]  
First term  
English

**ECON-S529**  
(absolute)  
Development economics | Philip VERWIMP (Coordinator)  
5 credits [lecture: 24h]  
Second term  
English

One course chosen from the following

**HULB-0000**  
(absolute)  
Cours externe à l'Université  
5 credits  
Academic year
Master in Economics: Econometrics

Focus Research in Economics and Statistics

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-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) and Alejandra Ramos
  - 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 | Mathieu PARENTI (Coordinator), Filippo Biondi and Paola CONCONI
- 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.
2 to 4 courses chosen from the following

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<tr>
<td>HULB-0000</td>
<td>Cours externe à l'Université</td>
<td>5</td>
<td>academic year</td>
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<td>INFO-F422</td>
<td>Statistical foundations of machine learning</td>
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<td>STAT-F408</td>
<td>Computational statistics</td>
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<td>STAT-F418</td>
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<td>STAT-F420</td>
<td>Topics in mathematical statistics</td>
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<tr>
<td>STAT-F421</td>
<td>Topics in probability theory</td>
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<td>STAT-F507</td>
<td>Sequential analysis</td>
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<tr>
<td>TEMP-0000</td>
<td>Cours extérieurs au programme</td>
<td>5</td>
<td>academic year</td>
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