



## Models and Methods of Quantitative Economics (QEM)

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### General information

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This master's degree forms part of the Official Postgraduate Programme in Business and Economics

### Others participant universities

University of Paris I - Panthéon-Sorbonne (France)

University of Bielefeld (Germany)

Ca' Foscari University of Venice (Italy)

### Training objectives

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Provide postgraduate studies in economics, foster mobility for students and lecturers in this field, and strengthen scientific and teaching collaboration with participant institutions and universities in other countries.

Once you have finished this master's degree, you will be able to:

- Participate as a leading expert in quantitative economics and its models and methods.
- Work as an executive in the finance industry, economic administration and scientific research.
- Use research techniques.
- Produce scientific articles and communicate them orally and in writing.
- Identify the applications of quantitative economics in economic policy, finance and business administration.
- Speak, read and write English and two other European languages.

### Skills acquired

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- Leading, coordinating and implementing programmes in various fields in economics, such as the finance industry, economic administration and scientific research.
- Developing coordinated and collaborative tasks with international environments.
- Implementing your knowledge and your theoretical and methodological tools in specific situations.
- Proposing research projects.
- Defending arguments and justifications clearly and precisely, both in employment situations and in international scientific meetings.
- Applying quantitative economics knowledge to the analysis of economic policy, finance and business administration.



## Ideal student profile

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## Ideal student profile

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You require previous training in areas related to sciences, as well as good English.



## Course access

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### Admission

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You need one of the following qualifications to access this course:

- A degree (BA, BSc, etc) or a qualification equivalent to a Bachelor degree.
- Previous studies in quantitative economics, but students with other academic backgrounds are also welcome, especially those with a good level of mathematics.
- Good English is essential.

### Selection criteria

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Admission is based on academic excellence. Applications are assessed by all of the institutions in the consortium.

### Places available

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## Admission and enrolment application

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### Pre-registration

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You must present the following documents to the coordinating institution (University of Paris I):

- Admission applications.
- Curriculum Vitae.
- Three reference letters (from three people who can provide an assessment of your academic performance).
- Your student record (with an official translation into English).
- A letter of intent.
- A certificate of English knowledge (applicants whose first language is not English must provide a certificate accrediting their knowledge of it, such as TOEFL, IELTS, etc.).

Pre-registration dates: see the [course webpage](#).

### Registration procedure

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#### **What is the application process for an Official Masters at the Universitat Autònoma de Barcelona?**

For pre-enrolment, you should consult the file for the Official Master you have chosen (see [complete list of Official Masters](#)). You will find all the information about the process in the ?Access application and pre-registration? section of the file for each Master.

#### **What documentation has to be presented?**

You will need:

- Attested copy of academic certification or record issued by the University/Institution which declares the qualifications, credits studied, subjects, duration of courses (etc...). This documentation must be presented with a sworn translation into Catalan or Spanish. There is no need to present a translation of documents issued in English, French, Italian or Portuguese.
- Degree Certificate.
- If relevant, other education certificates or merits (other university studies, language training, etc.)

The documentation required for each masters should be consulted in the same section referred to above: the ?Access application and pre-registration? section of the file for each Master.

#### **Where should this documentation be sent?**

Also check the file for the Official Master that you have selected ([complete list of Official Masters](#)). You will find indications of where the documentation should be sent in the same section: the ?Access application and pre-registration? section of the file for each Master.

#### **Who can apply?**

a) Anyone with an official university qualification (any kind of university degree or diploma).

b) For some official master's degrees, students who have completed three years of study and at least 180 credits from the current syllabus, provided that they have completed all core modules of the current first cycle of an official university degree, should consult the specific admission conditions.

c) Anyone who has one of the new three-year degrees (grado) or has passed 180 ECTS credits for one of these degrees (provided that the 180 credits include all the core modules for the (grado).

d) Anyone with a foreign university qualification can take an official master's degree, provided that the student validates the qualification for an equivalent Spanish qualification that provides admission to the course. Alternatively, you can join the course without validating your foreign qualification if it is verified that your studies certify a level of training equivalent to the Spanish three-year grado and they are valid for admission to postgraduate courses in the country in which they were taken.

Admission to an official master's degree does not constitute official recognition or validation of any previous qualifications. However, once you have earned your master, it will have full, official recognition.



e) Other qualifications will also be taken into account, such as:

- Unofficial master's degree or equivalent qualification.
- Postgraduate diploma, Diploma in Specialised Higher Studies, lecture period for a doctoral programme or equivalent qualification.
- Postgraduate courses.

**Enrolment and presentation of enrolment documents**

Bring certified copies of your documents required for admission (if these were issued by Spanish universities, EU universities or the Ministry of Education and Science) or legalised copies (if issued in other EU countries).

You can find information on legalisation of documents and validation of qualifications on our website.



## Application

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## Content

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Qualification                    Models and Methods of Quantitative Economics (QEM)  
Type of qualification            Official master's degree

Type of master's degree

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Erasmus Mundus

Orientation

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Research

Total number of credits

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Between 60 and 120 credits, according to your previous training.

Specialisation

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**1st year:** no specialisations or profiles (60 ECTS credits).

**2nd year:** no specialisations or profiles (60 ECTS credits).

Study plan

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[Models and Methods of Quantitative Economics Syllabus](#)



## Teaching timetable

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## Teaching timetable

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Lectures will be held on mornings and afternoons, at the Faculty of Economics and Business Studies.



## Fees

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## Fees

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See the [master's website](#).



**Course coordinator**

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Course coordinator

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E-mail address:

[gem-barcelona@pareto.uab.es](mailto:gem-barcelona@pareto.uab.es)

Website:

<http://www.univ-paris1.fr/rubrique1297.html>