

WHY STUDY THIS MASTER AT UAM?

This Master's programme offers specialization in quantitative methods for economic analysis and combines different techniques with applications in economics and finance. In this way, it attends the growing demand from students of the degree in Economics and related studies such as Business Administration, Finance or Mathematics, Physics or Engineering, as well as from experts in quantitative techniques from different organizations (companies, public institutions, etc.). The Master Programme offers a mixed profile that allows students to follow an academic career with the completion of PhD studies in Economics or a professional career that allows them to apply the quantitative techniques acquired in the Master Programme in private companies or public institutions, such as central banks, government organizations or the European Commission, among others.

Besides lectures, the Programme offers intensive training in data science techniques in economics to perform high quality analyses. It also sponsors invited seminars from the best national and international experts and academics in different fields.

UAM

Universidad Autónoma de Madrid

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Sciences

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MASTER IN QUANTITATIVE ECONOMIC ANALYSIS (QUEA)

UAM Universidad Autónoma de Madrid

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OVERVIEW

Degree: Master in Quantitative Economic Analysis (QuEA) ¹

Academic discipline: Social and Legal Sciences

Number of ECTS credits: 60

Public fees: The minimum set by the Community of Madrid ²

Character: Research-oriented

Modality: Classroom teaching

Language of instruction: English

Place: Faculty of Economics

Web of the Master: www.uam.es/posgrado

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Number of ECTS by type of subject:

Type of subject	ECTS
Compulsory	38
Optional	10
Internships	6
Master Thesis	12
Total	60

¹ Updated information at www.uam.es

² www.uam.es



DESCRIPTION AND OBJECTIVES

The Master in Quantitative Economic Analysis (QuEA) will attempt to fill the gap that exists nowadays between traditional economic studies and modern tools of data science, combining the more classical training of a standard program in Economic Analysis, with a strategic focus on the knowledge and application of modern mathematical and econometric tools, as well as computational techniques for data analysis with an application to economic and financial problems.

AUDIENCE

The QuEA is mainly aimed at university students with a degree in Economics and related fields such as Business Administration and Finance, or Mathematics, Physics or Engineering.

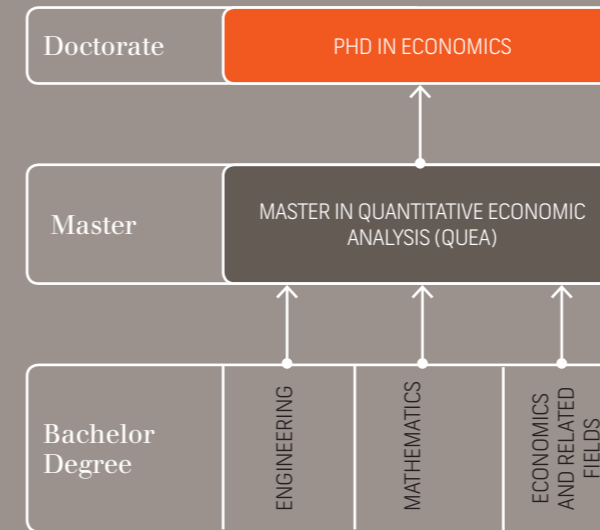
Furthermore, it is also aimed at professionals from different organizations (companies, public institutions, etc.) who want to complete their training with advanced and updated quantitative tools in economic analysis.

This one-year master's programme meets the growing demand for experts in quantitative techniques who wish to prepare for promising and challenging careers as economists in international institutions, government organizations and private companies. It also opens the way to a research career in academia.

GRADUATES AND EMPLOYABILITY

As mentioned above, the new programme will be able to train researchers who wish to continue their studies in PhD programmes in Economics and related fields, as well as train professionals with the specific skills that allow them to work as experts in quantitative economic analysis in private companies or public institutions (central banks, government organizations, European Commission, etc.).

CONTEXT OF THESE STUDIES AT UAM



INTERNSHIP DESTINATIONS

The programme offers students the possibility of internships opportunities at companies or institutions. For this purpose, the UAM has a very experienced office responsible of signing collaboration agreements for hundreds of students each year.

Apart from the know-how of the UAM office, the Master Programme has wide experience in managing internships. The former Master in International Economics has offered in the past years the possibility of doing internships in top level institutions, both national and international, such as AReF, BBVA Research, National Institute of Economic and Social Research, etc.

STAYS AT RESEARCH CENTERS

The QuEA offers the students the possibility of international mobility, which enhances their academic and professional performance. The recent accession of the Universidad Autónoma de Madrid to the Civis Consortium (<https://civis.uam.es/>), a network of eight European universities, will allow students to study temporarily in any of these universities.

FEATURED ACTIVITIES

Besides lectures, the programme offers intensive training in data science techniques in economics to perform high quality analyses. It also sponsors invited seminars by top national and international experts and scholars in different fields.

Students also have the possibility to stay at other universities, which enhances their academic and professional performance.