

Basic and general skills of the Master

The purpose of this degree is for the student to gain specialized and multidisciplinary advanced training, aimed both at promoting research as well as a professional specialization. More specifically, the fundamental objectives of the Program are:

- CG1) To train high level specialists in both economic theory and finance.
- CG2) To provide students with the appropriate and necessary mathematical and economical techniques to carry out the work, both theoretical and empirical, in the fields of economic theory and finance.
- CG3) To familiarize the students with the fields of research and the most relevant literature in economic theory and finance.
- CG4) To develop the student's ability to review economic and financial phenomena and enhance their communication skills.
- CG5) To provide students with the basic theoretical foundations to begin doctoral studies in economics or finance.

These general objectives are defined with reference to RD 861/2010 within a context of respect for fundamental rights and equal opportunity for men and women, for the principles of equal opportunity and universal accessibility for people with disabilities and for the values pertaining to a culture of peace and democratic values.

Specific skills

- CE1) Study the major concepts and techniques of mathematical analysis, probability and statistics, which are required in the areas of economics and finance.
- CE2) Develop the main ideas and techniques necessary for the analysis of general equilibrium modeling.
- CE3) Appropriately use the econometric techniques employed in the analysis of microeconomics and in the analysis and modeling of financial time series.
- CE4) Handle the main statistical and econometric software used in the areas of economics and finance.
- CE5) Study and deepen knowledge in recent macroeconomic models with neoclassical features, namely, the study of general dynamic equilibrium models.
- CE6) Understand the fundamentals of modern financial theory through discrete-time models, examining the decision-making process during uncertainty within an intertemporal framework, the theory of mean and variance, the theory of arbitration and the incorporating of data into the decision-making process.
- CE7) Examine the concept of market risk using different models for their evaluation.
- CE8) Understand the models that gave birth to the theory of industrial organization, including the treatment of the static and dynamic oligopoly theory, input and output, asymmetric data, research and development, and operational networks.

CE9) Attend and actively participate in the weekly Research Seminars offered by the College of Economics and Business Sciences, (*Facultad de CC. Económicas y Empresariales*).

CE10) Create an original paper on a topic related to one of the subjects discussed during the program.