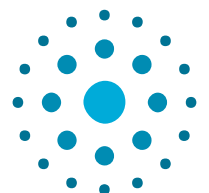


Master «Economie» speciality  
**SOCIAL INTERACTIONS AND  
ECONOMIC DYNAMICS**



UNIVERSITÉ **CÔTE D'AZUR**



# Master «Economie» speciality SOCIAL INTERACTIONS AND ECONOMIC DYNAMICS

## ACQUIRED SKILLS

- Processing large databases
- Designing and implementing economic experiments
- Analysing complex networks
- Scientific writing and oral presentation skills

## Key features of the program

- Research-based training by faculty members with vast international experiences
- International program entirely taught in English
- Thorough training in quantitative methods
- Opportunity to pursue a PhD



## PRESENTATION

The program 'Social Interactions and Economic Dynamics' is one of the two specialisations of the Master 'Economie' of Université Côte d'Azur. The aim of the program is to train future researchers in economics and social sciences, and will provide students an intensive training to economic modelling and statistical techniques. In addition to quantitative techniques, students will receive a training in behavioural and experimental economics, game theory, and financial markets, and will have the opportunity to pursue a PhD in one of these fields upon completing the program.

## CONTENT

### M1

#### Semester 1

Methodological prerequisites: Introduction to Excel, VBA programming, R, Python  
Quantitative techniques: Econometrics, Data analyses  
Experimental method  
Economic modelling

#### Semester 2

Foundations: microeconomics, macroeconomics, methodology  
Advanced quantitative methods: agent-based models, big data and machine learning, network analyses  
Econometrics: panel data, qualitative variables  
Master 1 thesis (individual, supervised research project)

### M2

*(open in 2019/2020)*

#### Semester 3

Research methods: academic presentation and writing skills, participation in research seminars  
Microeconomics: game theory, networks, behavioural economics and public policy  
Macro and financial economics: financial markets, banking and corporate finance  
Applied economics: industrial organisation, economics of science and innovation, digital economics, economics and institutions

#### Semester 4

Master 2 thesis (individual, supervised research project)

The program is based on a research-intensive training, with a regular participation in the research seminars of GREDEG, and two free days per week to let the opportunity to students to make progress on their research projects.

## ADMISSION CRITERIA AND PREREQUISITES

A committee composed of the faculty members of the program will evaluate the applications. Applicants must have successfully completed (or expected to complete) undergraduate program in Economics, Applied Mathematics, Quantitative Social Sciences, Computer Sciences, and related fields. Applicants should also submit the score of TOEFL (internet based test) as a proof of their proficiency in English.

## PHD PROGRAM AFTER THE MASTER OR FUTURE CAREERS

The main objective of the program is to train future researchers and university lecturers in economics and quantitative social sciences.

Upon completing the program, students will thus have the opportunity to pursue a PhD.

In addition to this academic path, students will also be able to apply for consultant positions to conduct technical studies in either public administrations, consulting firms, or international organisations.

## RESEARCH LABORATORY

Groupe de Recherche en Droit, Economie et Gestion



## DEVELOPED BY



ISEM - Campus Saint Jean D'Angely, 24 avenue des diables bleus - 06300 Nice



### Contacts :

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