

Program 2024/2025



AIMS AND SCOPE

The "Doctoral track" allows students to acquire a thorough and advanced general training in economic theory (micro, macro and econometrics) before choosing a specific area of research.

This program is specially designed for students interested in micro and macro theory, econometrics, industrial organization and other theoretical and applied fields. It offers a large range of courses that allow students to start a PhD in the best possible conditions.

PROGRAM STRENGTHS

Students are supported by the TSE thematic research groups in:

- Behavior, Institutions, and Development
- Econometrics and empirical economics
- Environmental Economics and Natural Resources
- Finance
- Industrial Organization
- Macroeconomics
- Mathematics of decision making and Statistics
- Public economics
- Theoretical economics

This high-level program provides a broad vision of economics and is a great springboard into original research.

CURRICULUM

Students must complete 6 graduate courses of 36 hours and 3 graduate courses of 30h and **write a Master thesis in application to the PhD course.**

Master thesis, supervised by a faculty member, should demonstrate the aptitude and the skills of the students to do autonomous research in application to the PhD course.

SEMESTER 3	SEMESTER 4
Compulsory courses: <ul style="list-style-type: none"> • Microeconomics 1 • Macroeconomics 1 • Econometrics 1 	Compulsory courses: <ul style="list-style-type: none"> • Microeconomics 2 • Macroeconomics 2 • Econometrics 2
Choose 1 elective: <ul style="list-style-type: none"> • Optimization • Game Theory 	Electives 2 among 12 <ul style="list-style-type: none"> • Capital Markets*** • Corporate finance: Theory and Empirics*** • Advanced Environmental Economics • Development Theory, Public Policy and Historical Perspectives • Public Economics • Economic theory • Stochastic Optimal Control in Economics • Topics in Econometrics and Empirical Economics • Industrial Organization • Advances in Macroeconomics • Behavioral Economics • Stochastic Optimization Algorithms*
Elective courses: <ul style="list-style-type: none"> • Algebra Refresher** • Probability Refresher** • Dynamic Optimization Refresher** 	Internship or Master Thesis

* This course choice will have to be validated by the Master program Director first

** Maths refresher courses opened to 1st and 2nd year Master students

***A student can choose only one of these two courses

ADMISSION

Admission is based on academic excellence criteria. An undergraduate degree of at least 4 years of college or a master's degree is required, within a recognized curriculum considered consistent with the programme and approved by the TSE Committee. A high level in Mathematics, Microeconomics, Macroeconomics and Econometrics is necessary. Working knowledge of English is obviously required.

APPLICATION PROCESS

For more details about requirement documents and application process, please see the [Admission section](#).

CONTACT

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