

Program 2023/2024



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

Online applications are open for a month in November for Eiffel scholarship candidates and in January-February for all international students. French degree holders applications for the first year of Master's also take place in January-February; in May for the second year. More details are available online at <https://www.tse-fr.eu/admissions>

CONTACT

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