

Program 2022/2023



AIMS AND SCOPE

How do markets function? How do corporations make their strategic choices? What are the determinants of the demand structure and the cost structure in a market? What are their relationships with the structure of this market and with the firm's behavior? The Master 2 TSE "Economics of Markets and Organizations" (EMO) prepares students to provide answers to this type of questions.

The Master Economics of Markets and Organizations program combines a solid training in industrial organization, regulatory economics, and econometrics that give students a real expertise in the analysis of strategic aspects of a market, the identification of the determinants of the firms' economic performance in a market, and the evaluation of policies aimed at improving the market efficiency.

Students with the Master EMO - TSE profile master the analytical tools that allow them to model the key economic relationships in an industry. These students have also acquired the ability to perform a sharp diagnosis of the nature of the strategic interaction among the dominant players in a sector and on the key performance parameters of the sector.

Courses are taught in English by TSE faculty members with well-established international reputation in the areas of theoretical and applied industrial organization. This academic training is completed with conferences given by professionals with strong experience of the functioning of real-world markets.

Note: students can apply either to the full program (i.e. two years) or directly to the 2nd year (find further information to the admission section)

STRENGTHS OF THE PROGRAM

- TSE boasts one of the world's best research groups in the field of Industrial Organization.
- Students draw support from the TSE academics group in Industrial Organization
- Partnership with ENAC (French aeronautics and aviation university based in Toulouse).
- The program benefits from TSE affiliated research centers' strong ties with a network of large French and foreign firms (Airbus, EDF, ENGIE, Orange, Groupe La Poste, Microsoft, etc.) that provides students with a valuable window of job opportunities.

COURSES

1. Master in Economics – Economics of Market and Organizations - 1st Year

SEMESTER 1	SEMESTER 2
<p>Compulsory:</p> <ul style="list-style-type: none"> • Game Theory* • Theory of Incentives* • Macroeconomics* • Intermediate Econometrics • R programming* • Professional Development • French as a Foreign Language <p>Choice: 2 among 11:</p> <ul style="list-style-type: none"> • Environmental economics • Economic History • Evolution of economic behaviour • Understanding Real World Organizations • Markov Chains and applications • Probability Modeling • Political Economy • Project Management • Experimental economics • Market Power & Regulation • ENGAGE 	<p>Compulsory:</p> <ul style="list-style-type: none"> • Public economics * • Applied Econometrics * • Program Evaluation * <p>Choice: 4 among 16:</p> <ul style="list-style-type: none"> • Advanced Macroeconomics • Advanced Microeconomics • Industrial Organization ** • Economics of Human Development • Environmental & Resource Economics ** • Time series *** • Panel Data *** • Corporate finance ** • Market finance ** • Empirical Industrial Organization • Topics in food economics • Behavioral and Experimental economics • Dynamic Optimization • Martingales theory and applications • Data Bases • ENGAGE
<p>Non-Mandatory:</p> <ul style="list-style-type: none"> • Introduction to SAS (for newcomers in the first year of master) • Math camp for M1 and M2 (End of August): Algebra/Probability/Static Optimization refresher**** 	<p>Mandatory:</p> <p>Compulsory International internship or Master Thesis*</p>

*UE1/UE2/UE5. A minimum score of 10 out of 20 is required.

**Masters 2 Directors highly recommend to attend these options:

- Industrial Organization: M2 EMO
- Environmental & Resource Economics: M2 ERNA
- Economic of Human Development: M2 PPD
- Corporate finance et Market Finance: M2 Finance
- Panel Data or Time series: M2 EEE

*** Panel Data and/or Time Series required for M2 EEE

**** Math refresher courses opened to M1 and M2 students

To obtain the Econometrics and Empirical Economics Master's degree, students need to complete all the courses of the first semester and the equivalent of four courses of 30 hours on the second semester, and either:

- do an internship within a firm (public or private), a financial institution (bank, insurance), a government institution (competition or regulatory authority), or a research laboratory, and write an internship report or
- Write a Master Thesis under the supervision of a TSE faculty.

1. Master in Economics – Economics of Market and Organizations – 2nd Year

Each student must choose 4 courses (30 hours each) in each semester.

SEMESTER 3	SEMESTER 4
<p>Compulsory courses:</p> <ul style="list-style-type: none"> • Business Economics • Advanced Industrial Organization • Empirical analysis of firm behavior <p>1 course among 4:</p> <ul style="list-style-type: none"> • Economics of Innovation and Intellectual Property • Workshop on Competition Policy and regulation • Time series and economic forecasting • Quantitative analysis for competition and regulation policy 	<p>Compulsory courses:</p> <ul style="list-style-type: none"> • Professional Development** • Datanomics : regulation of data spreading and data protection <p>4 courses among 8:</p> <ul style="list-style-type: none"> • Industrial Organization***** • Incentives and Regulation • Digital Economics • Topics in Applied Industrial Organization • Industrial Organization of The Food Industry*** • Air Transport Economics • Economic Analysis of Infrastructure and Network Industries • Energy Economics and Climate Policy****
<p>Optional courses</p> <ul style="list-style-type: none"> • Algebra Refresher *** • Probability Refresher *** • Dynamic Refresher *** 	<ul style="list-style-type: none"> • Internship or dissertation

* Students who will have followed the course " Professional Development" in M1 in 2021-2022 will be exempted.

** Upgrade course in Mathematics, open to students in M1 and M2 of TSE.

*** 5 students of the ERNA Master are authorized by the EMO Master Director to attend the "Industrial Organization of the Food Industry" course (on the 1st come/1st served basis).

**** 5 students of the ERNA Master are authorized by the EMO Master Director to attend the "Energy Economics and Climate Policy" course (on the 1st come/1st served basis).

***** Upon acceptance by the two Master Directors (ETE and EMO)

To obtain the EMO Master's degree, students need to complete **eight 30-hour courses and the professional development course**

And to either:

- do an **internship** within a firm (public or private), a financial institution (bank, insurance), a government institution (competition or regulatory authority), or a research laboratory, write a report and make a defense
- or write a **Master Thesis** under the supervision of a TSE faculty and make a defense.

ADMISSION

Admission is based on academic excellence.

First year admission :

- Aimed at English speakers
- Students should hold a BSc in Economics, Applied Mathematics within a recognized curriculum considered as consistent with the program and approved by the TSE selection committee.

Second year admission :

- Admission is based on academic excellence criteria.
- Applicants from the French system must have passed the TSE International track Master 1 (1st year Master's) in Economics or another French University master in Applied Mathematics or an equivalent degree (e.g., engineering school,...).
- For foreign degree holders, the required degrees are either a BSc, M.A., or MSc, within a recognized curriculum regarded as consistent with the program and approved by the TSE Selection Committee.
- Some brushing-up in Economics or Maths might be advisable in some cases. Working knowledge of English is obviously required.

APPLICATION DEADLINES

For the 1st year, students have to apply to the Master in Economics. For the 2nd year, students have to apply to the Master in Economics of Markets and Organizations.

Applications are considered in November for Eiffel scholarship applicants and in January for other international students and French degree holders applying to the 1st year. Applications to the second year take place in May for French degree holders.

For more details about requirement documents and application process, please see the Admission section.

CONTACTS

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