2024-2025
Master Econometrics Statistics
Track: Research

Head	Descriptions	Practical information
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AIMS

This track provides students with general training in theory and methods of econometrics, as well as machine learning techniques and big data analysis. The track may lead to research or to performing econometric analyses.

ADMISSION

High-level training in theoretical and empirical economics, and in econometrics, is required for application.

Priority access is afforded to M1 students from the Master's in Economics of the AMSE department at the Faculty of Economics and Management of Aix-Marseille University. However, parallel entry to M2 may be considered for students who have validated 60 credits of M1 level Economics in a course with a strong quantitative focus.

LEARNING AND RESEARCH

This Master's is part of *the Ecole Universitaire de Recherche* (EUR) AMSE, which includes almost a hundred researchers from AMU, CNRS, EHESS, ECM and Sciences Po Aix.

The teachers are selected according to their research expertise within those entities. The teaching staff is supplemented by practitioners.

PREREQUISITES

High-level training in theoretical and applied econometrics is required for access to the programme.

OTHER TRACKS

- Econometrics Data Science
- Research

LEARNING SITES

Faculté d'économie et de gestion Ilot Bernard du Bois site and Ferry site, Centrale Méditerranée.

REGISTRATION REGIMES

- Initial training
- Continuing education

PROFESSIONAL SKILLS TO BE ACQUIRED

The teaching programme of this master's track is aimed at better understanding and mastering the latest developments in econometric theory and its methods, as well as the theory of machine learning and big analysis. Students are initiated into research and develop their ability to define and conduct a research project in econometrics.

Professional skills targeted :
- Ability to contribute to novel scientific output in econometrics,
- Ability to highlight the value of research results,
- Expertise in an area of research in econometrics and data analysis

INTERNSHIPS AND SUPERVISED PROJECTS

The curriculum ends with the writing of a research dissertation or with an internship of at least three months. The dissertation is written under the supervision of an AMSE researcher.

ASSESSMENT OF KNOWLEDGE ACQUISITION

The student's performance on each course is assessed by written exam and/or a portfolio compiled and presented during an oral defence. To limit the number of projects per student, teachers propose transversal projects when possible.

TARGETED CAREERS (ROME classification)

- K1401 - Conception et pilotage de la politique des pouvoirs publics (fr)
- K1404 - Mise en oeuvre et pilotage de la politique des pouvoirs publics (fr)
- M1401 - Conduite d'enquêtes (fr)
- M1403 - Études et prospectives socio-économiques (fr)
- M1404 – Management et gestion d'enquêtes

NSF FIELDS

- 114D - Mathématiques de l'économie, statistique démographique, mathématiques des sciences sociales, des sciences humaines (fr)

- 122B - Modèles économétriques ; Méthodes d'analyse économique (fr)
- 313N - Etudes économiques et financières (fr)

FURTHER EDUCATION

Students on this track are most likely to enter the doctoral programme of AMSE, or of other universities.

PROFESSIONAL OPPORTUNITIES

As with all recognised educational institutions, the attractiveness of AMSE is based primarily on the quality of its students' professional development. Our students find jobs in France and abroad.

Every year, our alumni meet with students during the school's Career Day to present their AMSE experience and their careers.

Watch the alumni talks on Youtube:
https://www.youtube.com/c/AMSEChannel/playlists