2024-2025
Master Economics
Parcours : Data, Analysis, Décision and Economic Evaluation (DADEE)

Joint heads	Descriptions	Practical information
Habiba DJEBBARI, habiba.djebbari@univ-amu.fr Alain PARAPONARIS, alain.paraponaris@univ-amu.fr	Type : Master Domaines : Law, Economics, Management	Registration fees: 243 € Faculté d'Économie et de Gestion Credits: 120

AIM

This master's programme trains economists in designing, implementing, and evaluating economic projects or programmes, as well as preparing them for economic decision-making or project management. Grounded in applied economics methods, it enables decisions to be rooted in a detailed sectoral analysis of data.

The knowledge and skills developed provide graduates with a high level of expertise both in public policy and decision-making (planning, development, education, environment, housing, health, transport, etc.) and in the diagnosis, forecasting and project management of private companies.

ADMISSION

This track is a particularly good fit for students who have completed the first year of the AMSE Master's in Economics (M1) at the Faculty of Economics and Management. Access to this second year of the master's programme in economics (M2) is also possible for students who obtained 60 credits in other M1 in economics programmes with a strong focus on quantitative methods.

This track can be completed as part of the third year of the *Magistère Ingénieur Economiste* option offered by AMSE and within the IDEAL option (International Diplomacy, Economic Analysis and Law), which involves joint courses with the Institut d'Etudes Politiques of Aix-en-Provence (Sciences Po Aix).

TEACHING 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 also supplemented by high-level practitioners.

M2 TRACKS

- Data, Analysis, Decision and Economic Evaluation
- Research in economics

TEACHING SITES

Faculty of Economics and Management (Aix-en-Provence) and Sciences Po Aix (IDEAL option).

REGISTRATION REGIMES

- Initial training
- Continuing education
- Apprenticeship

PREREQUISITES

A solid training in quantitative and applied economics is required.

SKILLS TO BE ACQUIRED

This track enhances the technical and writing skills of future graduates, as well as the analytical abilities needed to understand, formalise, and address economic and managerial issues that require complex economic problem-solving.

Students will handle quantitative tools of economic calculus (cost-benefit, cost-effectiveness analysis), econometrics (econometrics of impact evaluation and economic decision-making or policies). They are initiated into the use of tools for Data Science and Machine Learning, acquire sector-specific knowledge (health, environment, development, etc.) and learn from professionals about practical and/or professional situations and project management.

Within the IDEAL option, the international dimension of such knowledge and skills is stressed in analysing globally relevant strategies, conflicts and economic issues.

Main professional skills targeted by the end of this M2 track:
- Performing descriptive and predictive analyses, based on a thorough understanding of specific economic sectors and proficiency in a broad range of data analysis methods,
- Applying methods of economic calculus to support managerial decision-making or to manage programmes and economic policies,
- Conducting economic projects in the fields of environmental economics, health economics, development economics, housing economics, transport economics, taking into account the macroeconomic context,
- Analysing economic problems by first identifying the specific needs of the private or public institutions handling the project and contributing specific expertise in economic analysis and/or statistics,
- Writing synopses in French and in English and presenting them clearly to a knowledgeable audience and/or a jury.
- Mastering the international dimensions of economic issues related to the environment, climate and peace (IDEAL option).

INTERNSHIPS AND SUPERVISED PROJECTS

At the end of the academic year, students complete a long-term internship (three to six months) and write a master's internship report.

The objective of the internship is to prove their ability to apply the conceptual tools mastered during the M2 to questions facing the profession.

The student must therefore identify the question, implement the tools and be able to communicate the results to both a professional and an academic audience.

The internship is supervised by both an academic tutor and an internship supervisor (from the firm or organisation).

The report is defended orally in front of a jury comprised of at least the academic advisor and the internship supervisor.

Students in work-study programs doing their Master 2 under an apprenticeship contract receive guidance from both an academic and a professional advisor throughout the year, culminating in the defence of an apprenticeship dissertation.

Students enrolled in the IDEAL option have the opportunity to combine a three-month professional internship with a three-month university study period abroad.

ASSESSMENT OF KNOWLEDGE ACQUISITION

Learning on each course is assessed by written exams and/or a portfolio compiled and presented during an oral defence. Because the track aims to train students in quality analysis and solid presentation of the results orally or in writing, students' skills are also assessed during their active participation in classes (reverse pedagogy for instance). To limit the number of projects for each student, teachers propose transversal projects when possible.

TARGET OCCUPATIONS (ROME classification)
- K1401 - Public policy design and management
- K1404 - Public policy implementation and management
- K1503 - Tax control and inspection
- K1802 - Local development
- M1401 - Survey management
- M1402 - Organization and management consulting
- M1403 - Socio-economic studies and forecasting
- M1404 - Survey management and administration
- M1805 - IT research and development
- M1201 - Project financing manager

NSF FIELDS

114d - Mathematical economics, demographic statistics, mathematics of social sciences, humanities.
- 114g - Computer mathematics, financial mathematics, health statistics
- 120g - Economic and social sciences applied to planning and development, territorial administration, trade, social relations and human resources, finance.
- 122b - Econometric models; Methods of economic analysis.
- 313n - Economic and financial studies
- 331n - Medical studies and research.

POTENTIAL CAREERS

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

Examples of alumni jobs:
- Business analyst, Biomen
- Consultant in business analytics, Eulidia
- Consultant in digital transformation & NLP, Reveals SA
- Consultant, Organisation for Economic Co-operation and Development
- Control risk analyst, Opel Vauxhall Finance
- Corporate audit & risk advisory, CMA-CGM
- Customer success manager, IQVIA
- Data analyst, Groupama

- Data analyst, Music World Media
- Data analyst, SecuritasDirect
- E-health cybersecurity project manager, Agence Régionale de la Santé Corse
- Finance operations executive, Click&Boat
- Junior economist, European Investment Bank
- Project manager, Direction Interministérielle de la Transformation Publique
- Public finance controller, Direction Générale des Finances Publiques
- Relationship manager, DBS Bank
- Research assistant, Fedesarrollo
- Research engineer, Solutec
- Research manager, Société du Canal de Provence et d'aménagement de la région Provençale
- Software engineer, Cap Gemini
- Sustainable Finance Analyst, Institut Louis Bachelier
- Training data analyst & costing support, Airbus Helicopters

Watch our graduates describing their careers on Youtube:
https://www.youtube.com/c/AMSEChannel/playlists

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