CENTRALE LYON

Master 2 Econometrics, Statistics

Degree level: Master
Training time: 1 year
Language: French
Status: Student
Campus: Lyon-Ecully Campus

Objectives



The **Master 2 Économétrie, statistiques - Parcours Gestion des Risques en Assurance et en Finance (GRAF)** is offered in co-accreditation with ISFA - Université Lyon 1. This course aims to train executives, consultants or study and research engineers in the **fields of finance, insurance, health, the environment, or transport**. Students acquire the skills needed to **control risks in the face of the consequences of longer life expectancy, global warming and the emergence of cyber risks**:

- Developing healthcare access policies
- Arbitrating between protection (risk sharing) and incentive (financing)
- Covering new financial and insurance risks
- Building new decision-making models through data management

Program

Teaching units

- Financial Theory
- Statistics and Machine Learning
- Actuarial Mathematics for Non-Vie
- Mathématiques Financières
- Gestion des Risques
- Economie et Théorie des Jeux
- Mathématiques Actuarielles pour l'Assurance Vie

Stage

An internship of 4 to 6 months at the end of the course is required to validate the diploma.

Program details

Diploma and certification

This course delivers a national master's degree - controlled by the State.



Career opportunities

- Research manager
- Director of studies, research and development
- Research professor

- Research engineer
- Research laboratory manager
- Subscriber

Focus

A master's degree co-accredited with IFSA - Université Lyon 1

As part of this partnership, some courses will be held at the Gerland site of Université Lyon 1

- 50 avenue Tony Garnier, 69366 Lyon Cedex 07

Admission requirements and application

This course is only open to Centrale Lyon engineering students as part of a double degree. Recruitment procedures are communicated directly by the training managers

For external candidates, please consult the IFSA website.

Administrative contact

Education department - French-speaking Masters

Information and registration

scolarite.master-lyon@listes.ec-lyon.fr

Educational contact

Mironescu Elisabeth

Enseignant-Chercheur

elisabeth.mironescu@ec-lyon.fr

Useful links

- Discover the training syllabus
- IFSA website - Lyon 1 University