



**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**

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## **Useful links**

- [Discover the training syllabus](#)
- [IFSA website - Lyon 1 University](#)