



THEMATIC PROGRAM GRADUATE SCHOOL@UGA

Training the next generation of international scientists open to the world and its challenges

RISK

Technological, natural and financial risks, critical infrastructures, crisis management, risk prevention

UGA
Université
Grenoble Alpes

GRENOBLE
INP Ense3
UGA

WHAT IS A THEMATIC PROGRAM?

A thematic program is a set of interdisciplinary modules that aims to train the new generation of professionals able to address the major scientific and/or socio-economic challenges of the 21st century.

These modules are related to Master courses and give the students transversal skills thanks to solid training and international collaborations. Students who participate in a thematic program can benefit from:

- A state-of-the-art curriculum through and for research in the 1st and 2nd years of Master;
- A 2-year-scholarship (equivalent to €16,000) for students with a non-French high school diploma;
- Mobility grants for an internship abroad;
- French language courses.

Presentation of **RISK** thematic program

What is RISK ?

The world is undergoing major changes, as population increases, mobility is on the rise, and urbanized areas are increasingly subject to natural, technological or social hazards.

More than ever before, it is necessary to train managers, mediators, and researchers who are capable to contribute actively to making our societies more resilient to risks. This is a major objective of the RISK program.

A second objective is to bring together more efficiently Grenoble's training and research teams involved in risk and crisis management, to make them more visible and attractive, especially at the international level, and to foster employability.

A strong emphasis will also be put on the management of crisis, an aspect which is not adequately covered today within the existing curricula.



2022-2023 Risk Summer School - Col de Porte snow and meteorology field site, in the Chartreuse massif

RISK's detailed program

This thematic program is structured around:

- A mentored research project in the 1st year of Master's degree (6 ECTS) aimed at providing students with research experience on a problematic of modelling, analysis, evaluation or decision-making in the risk field.
- A Summer School on risk in 2nd year of Master's degree (6 ECTS) aimed at providing a knowledge base on risk management (domino effects, crisis simulation, resilience/governance or decision support) by capitalizing on the achievements of previous Summer Schools and the presentation of new subjects (e.g. pandemic management).

Master programs that offer **RISK**

Students should first be enrolled in one of the Master's degree or Engineering School programs listed below:

Master's degree / Engineering curriculum	University Department or School	Language
Hydraulics, Civil and and Environmental Engineering (HOE)	Ense3	French
Electrical Power Engineering (IEE)	Ense3	French
Nuclear Power Engineering (IEN)	Ense3	French
Automatic control and Intelligent Systems Engineering (ASI)	Ense3	French
Signal and image processing, communication systems, multimedia Engineering (SICOM)	Ense3	French
Energy systems and associated markets Engineering (SEM)	Ense3	French
Mechanical and energy engineering (ME)	Ense3	French
Master's degree in Electrical Engineering for Smart Grids and Buildings (SGB)	Ense3	English
Master's degree in Hydraulics and Civil Engineering (HCE)	Ense3	English
Risk Prevention Engineering	Polytech	French
Geotechnics Engineering	Polytech	French
Master's degree in Finance	Grenoble IAE	French
Master's degree in Natural Geological Hazards and Risks	PHITEM	French
Master's degree in Civil Engineering	PHITEM	French
Systems Control and Information Technologies (MISCIT)	PHITEM	French
Master's degree in Geography, planning, environment and development (GAED)	IUGA	French

How to apply?

Step 1 – Admission to a Master's degree or Engineering School that participates in the Graduate School

Apply for the master of your choice among those participating in RISK – see the list on page 3.

When: you must check the Master's deadlines :

<https://www.univ-grenoble-alpes.fr/formation/admissions-et-inscriptions/>

Step 2 – Admission to the thematic program

Once admitted to the master's degree, apply for the thematic program by connecting to the GS@UGA website :

www.univ-grenoble-alpes.fr/research/graduate-school/

Then, contact RISK coordinator by email (see contact section).

When: As soon as you have received your master's admission letter.

You will receive a notification by email in case of acceptance or refusal of your candidature to the thematic program.

CONTACT

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Scholarships

Graduate School@UGA provides scholarships based on the academic excellence of international students (not hold a french baccalaureate) enrolled in one of the 15 thematic programs.

The scholarship amount is 13,000 € (8,000 € for the 1st year of the Master's degree and 5,000 € for the second year), plus an internship grant of up to 3,000 € (depending on the internship period).

Graduate School@UGA scholarships are granted for two years (no scholarship is possible if the student registers only in the second year).

You must show interest in the scholarship through your motivation letter when applying for the thematic program.

You will be notified before the start of the academic year (between March and June).

FOR MORE INFORMATION

<https://www.univ-grenoble-alpes.fr/risk-thematic-program>



Partner research structures and laboratories



gipsa-lab

