International Master degree program

MSIAM

Master of Science in Industrial and Applied Mathematics

Grenoble INP ensimag

Université Joseph Fourier GRENOBLE

Contact
msiam@imag.fr

MSIAM website
http://msiam.imag.fr

The industrial and applied mathematics program offers a large spectrum of courses, covering areas where the research in applied mathematics in Grenoble is at the best level.

Currently, applied mathematics is an area that provides many job opportunities, in industry and in the academic world.

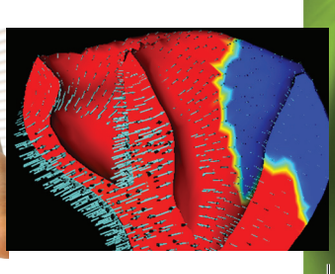
There is a great demand for mathematical engineers on topics such as scientific computation, big data analysis, imaging and computer graphics, with applications in many fields such as physics, medicine, biology, engineering, finance, environmental sciences.

All courses are taught in English

↘ Academic program

The Industrial and Applied Maths one-year master degree program promotes training in interdisciplinary research. Our graduates are trained to become experts and leaders in scientific and technological projects where mathematical modeling and computing issues are central, in industry or research.

A large and distinguished graduate Faculty participate in the program, bringing their expertise in a wide range of areas of mathematics including applied analysis, numerical analysis and scientific computing, probability theory and statistics, computational graphics, image analysis and processing, and applied geometry.



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Who should apply ?

- For admission you must have a 4-year Bachelor Degree in Mathematics or Applied Mathematics or equivalent, or be currently enrolled in master's studies. The minimum requirement is to have earned at least the equivalent of 240 ECTS credits.
- Anyone holding a first year of master (60 ECTS credits) in mathematics or applied mathematics or an equivalent degree, interested in pursuing a high level mathematical education and motivated by the applications of mathematics.
- Students from related backgrounds (physics, computer science, engineering, ...) may also apply provided they possess very good mathematical qualifications.

Language requirement : B1 level in English

Admissions: http://relint.ensimag.fr/MainEn/Admission

Application deadlines:
-Non-European students: Mid-March
-European students: end of May

Tracks offered

The first semester of MSIAM is essentially divided in 4 tracks:

- Modeling and Scientific Computing (MSC)
- Geometry, Image and CAD (GI-CAD)
- Statistics (STAT)
- Data Science (DS)

However, a personalized track may also be built for some students from the available course offer.

The personalized tracks must be approved by the Professors.

The first semester of MSIAM is composed of:

- 30 ECTS of scientific courses; students must choose 10 scientific courses (3 ECTS each),
- one language course (3 ECTS)

6 ECTS may be chosen outside of the MSIAM offer (upon request, and provided there are no timetable conflicts)

The second semester is devoted to your Master thesis Project

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