



International Master's program

MSIAM

Master of Science in Industrial and Applied Mathematics



Contact

msiam@imag.fr

MSIAM website

<https://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, data mining, computer vision, with applications in fields such as physics, biology, engineering, finance, environmental sciences.

All courses are taught in English

➤ Academic program

The Industrial and Applied Maths master 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 and applied geometry.

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

Application deadlines

Non-European students: end of March

European students : end of May





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Tracks offered

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

- Modeling and Scientific Computing (MSC)
- Geometry, Image and CAD (GICAD)
- 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 in charge of MSIAM.

Who should apply ?

To be admitted to the program, candidates must have previously completed their undergraduate studies and been awarded a Bachelor degree in Mathematics or Applied Mathematics.

- For admission directly to the second year program you must have a 4 years Bachelors Degree 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 : B2 level in English

The first semester of MSIAM is composed of 30 ECTS credits .

30 ECTS are dedicated to scientific courses ; students must choose 9 scientific courses (3 ECTS each), and one language course

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 the Final Project

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