



École des Ponts

ParisTech

### Why study maths in France ?

Mathematical research has a long-established history in France.

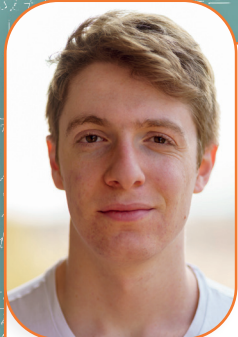
Mathematics courses at École des Ponts ParisTech achieve a delicate balance between fundamental aspects and applications.



Gabriela Delatorre  
(Universidad  
Politécnica de  
Madrid)

«École des Ponts has incredible facilities such as the sports courts, the library...

and its spectacular facade! Professors are really close to students (they help you with any problem you have, whether for a scholarship or for an exercise you don't understand!). I had various opportunities to discuss my choices of course, and they were adapted to my previous training, which was very helpful.» «École des Ponts trains excellent engineers, but also gives them the opportunity to participate in various experiences out of the books. Special care is attached to integrating foreign students by including them in activities, sports...»



Marco Zoffoli  
(Università di Trento,  
Italy)

«I am very pleased I decided to attend the applied mathematics programme at École des Ponts, both

because of the great variety of courses available in multiple departments, and because of the great focus on practical applications of mathematical theories. Moreover, the attention on the creation of personalised academic curricula depending on one's previous experiences is truly remarkable.»

# « PAM'S » PARIS APPLIED MATHS SEMESTER @ École des Ponts ParisTech

- > For Senior Bachelor students
- > Fully taught in English (B1 level required), no prior knowledge of French required
- > Credit transfer mobility
- > Tuition fees: 500 € / tuition waiver for École des Ponts ParisTech partner universities (Erasmus +)
- > Accommodation on campus (East of Paris) or in Paris Center
- > Campus facilities
- > Bespoke academic supervision and small class teaching
- > Full École des Ponts ParisTech student experience
- > Support for administrative procedures (French bank account, health insurance, etc.)

## ACADEMIC PROGRAM

30 ECTS (scientific courses, project, languages, sports) Choose among :

- > Elements of differential and integral calculus (1 ECTS)
- > Analysis and scientific computing (3,5 ECTS)
- > Optimization (2,5 ECTS)
- > Probability theory (2,5 ECTS)
- > Algorithmics and C++ Programming (3,5 ECTS)
- > Operational research and optimization (3 ECTS)
- > Statistics & data analytics (2 ECTS)
- > Statistical physics (2 ECTS)
- > Foreign languages (French) (1,5 ECTS)
- > Sport (1 ECTS)
- > Two projects within CERMICS lab (6.5 ECTS each)

## CALENDAR

Next fall semester session: Beginning September 2022  
to End January 2023

Application deadline: 31th March 2022

## CONTACT

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Application:

<http://www.ecoledesponts.fr/en/applied-maths>