BASED ON SPECIFIC RESEARCHED-BASED TRAINING, THIS COURSE PROVIDES STUDENTS WITH A GOOD GENERAL CULTURE BEFORE SPECIALISING IN ONE OR SEVERAL AREAS OF MATHEMATICS. THIS PROGRAM LEADS TO CAREERS IN TEACHING AND RESEARCH.

- Students attend scientific seminars and participate in lecture groups.
- The training takes place at the Mathematics laboratory, all students work closely with the researchers.
- Tutoring is ensured by the researchers and teacher-researchers from the laboratory. There are internships in France and abroad throughout the program, enabling each student to progressively discover the world of research.
- Excellent researched based training, with an international focus including internships or 6-month study periods abroad.

TRAINING OFFER

The teachers of ENS de Lyon, from University Claude Bernard Lyon 1 and Joseph Fourier University in Grenoble all work on this program.

- **BACHELOR'S DEGREE (L3)**
  Designed as a pre-Master’s, this program gives students solid skills and means that they can also follow training in other disciplines.

- **MASTER'S 2 (M2)**
  - **Advanced Mathematics program**: following a 4-month internship in a fundamental or applied research laboratory this Master’s leads to doctoral studies
  - A choice of 4 programs around the main topics in Mathematics (Algebra, Arithmetic, Logic, Geometric, Topology, Analysis, EDPs, Scientific calculation, Probability, Statistics)
  - Depending on each student's scientific project, this M2 program can be completed in another university centre
  - **FEADéP program**: (Teaching Training, the French Agrégation in Mathematics and Professional Development): preparation for the agrégation for students wishing to teach higher education preparatory classes or complement a basic training course.
### ADMISSION

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<td>• 1&lt;sup&gt;st&lt;/sup&gt; competitive entrance exam: for 3&lt;sup&gt;rd&lt;/sup&gt; year degree course students (L3) or 1&lt;sup&gt;st&lt;/sup&gt; year Master’s student (if admitted in 2&lt;sup&gt;nd&lt;/sup&gt; year of the diploma)</td>
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### REGISTRATION PROCESS
**INCLUDING INTERNATIONAL STUDENTS**

www.ens-lyon.fr/formation/admission

### CAREER OPPORTUNITIES

- Doctoral thesis
- Research and higher education
- High school teacher or higher education preparatory classes
- Senior branch of the French civil service (Mines, INSEE, IPEF …)
- Other opportunities (possible to do dual program in Maths-Engineering)

### FIND OUT MORE ABOUT THE PROGRAM

http://mathematiques.ens-lyon.fr/

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These planes intersect transversally

Fuchsian group action  
Diffusion-limited aggregation  
Interaction of non-linear plane waves