

PROGRAM

COMPUTER SCIENCE

<http://www.ens-lyon.fr/DI/>

INTERNATIONAL PROGRAM OF EXCELLENCE FOR RESEARCH

- The Computer Science study program provides students with a solid general computer science background
- Over the past 20 years, the study program has been built on the expertise areas of the Computer Science research laboratory of the ENS de Lyon (LIP)
- In addition, a wide range of internships in the best academic and industrial laboratories in France and abroad are included in the study program as an introduction to research

Each student is individually supervised by a tutor. Extensive course in scientific English and multiple scientific seminars are also provided.

FUNDING OPPORTUNITIES

For all students:

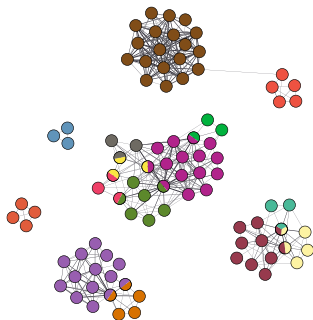
- ENS de Lyon Ampère scholarship
- ENS de Lyon – LIP scholarship
- ENS de Lyon – INRIA scholarship
- Labex MILYON scholarship

For «normalien» students:

- Salary for students from an EU member state
- Excellence grants for students from any other country



Computational grid - connections



Facebook network model



Reconfigurable processors



Program proof

COURSE OF STUDY

- **Computer science Bachelor's Degree (3rd year only)**
100% in French
A 2-semester study period, including two projects and ending with a 6-week research internship
- **Fundamental Computer Science Master's Degree (partner institutions : ENS de Lyon – Université Claude-Bernard Lyon 1 – École Centrale de Lyon – INSA de Lyon – Université Lumière Lyon 2)**
100% in English
 - 1st year (M1): 6-month study program, including a collective project, and a 3-month internship abroad or in the industry
 - 2nd year (M2): a 1-semester study period and a 5-month internship. Students have the opportunity to choose a "complex networks" multidisciplinary specialization (Physics and Computer Science)

CAREER OPPORTUNITIES

- Academic positions in computer science
- Research or engineering positions in R&D
- Executives in academic institutions in France and abroad, or in industrial laboratories

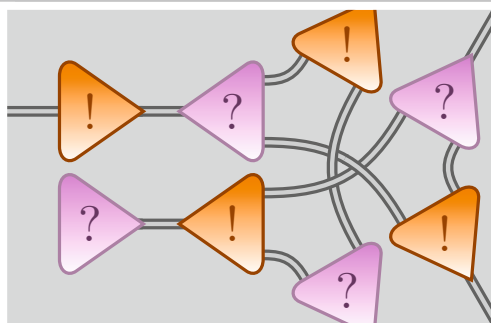
ADMISSION

Open both before and after a Bachelor's degree: possibility to join the ENS de Lyon for the 3rd year of the Bachelor's Degree program (L3), and for the 1st or 2nd year of the Master's Degree program (M1, M2)

ENTRANCE EXAM Status: «normalien» student / L3	SELECTION BASED ON CV AND ACADEMIC RECORD Status: student / M1, M2	INTERNATIONAL EXCHANGE PROGRAM Status: student / L3, M1, M2
<ul style="list-style-type: none"> • 1st entrance exam: open to students who completed 2 years in a <i>Classe Préparatoire aux Grandes Écoles</i> • 2nd entrance exam: open to undergraduate students who completed a minimum of 2 years of a Bachelor's Degree 	<ul style="list-style-type: none"> • Examination of the student's academic record by a recruitment commission • Selection criteria: quality of the candidate's academic profile, motivation and personal project in line with the program content 	<ul style="list-style-type: none"> • Bilateral agreements, ERASMUS, CREPUQ (Quebec), or ORA (Ontario) for a 1 or 2 semester study period recognized by the home university • Pre-selection by the home university
Level of French required: B2 in L3, A1 in M1 and M2 (Common European Framework of Reference for Languages classification)		
Level of English required: B2 (Common European Framework of Reference for Languages classification)		



Lego Turing Machine – student project



Proof by logic



Extraction of cryptographic data from a credit card

HOW TO APPLY

APPLICATION FOR THE ENTRANCE EXAM	SUBMISSION OF THE APPLICATION FILE	APPLICATION FOR INTERNATIONAL EXCHANGE
1 st entrance exam: application form to be sent in December / January	To get a scholarship: application form to be sent in February	1 st semester or the entire year: application form to be sent by April 30 th
2 nd entrance exam: application form to be sent between January and April	Without scholarship: application form to be sent in March	2 nd semester: application form to be sent by October 30 th

MORE ABOUT

APPLICATION

On www.ens-lyon.eu: International > Studying at the ENS de Lyon

- **1st and 2nd entrance exam** > Become a Normalien
- **Admission on application file** > Masters/Doctorate
- **International exchange program** > International Exchanges

FUNDING OPPORTUNITIES

On www.ens-lyon.eu: International > Studying at the ENS de Lyon > Scholarships

PROGRAM LEADERS:
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