

STUDY AT POLYTECH LYON

POLYTECH LYON (ENGINEERING SCHOOL OF LYON 1)

- Highly qualified training, mixing academic training and professional experience.
- Human-scale school with dedicated teachers-researchers
- International environment (students from more than 20 countries)
- Dynamic student life

UNIVERSITY CLAUDE BERNARD LYON 1

- One of the top scientific universities in France
- Campus in town, close to parks and city center
- Rich cultural & sport life
- Large community of foreign students

LYON, A VIBRANT CITY

- One of the oldest French towns, classified as a world heritage site by UNESCO
- Modern city, in a very dynamic region in terms of business and employment
- Second largest student community and ranked #1 student city in France (2017)
- Capital of the French Gastronomy
- At the crossroads of Europe - travel easily to other European countries



POLYTECH LYON TRAINS HIGHLY QUALIFIED ENGINEERS IN 6 FIELDS



**BIOMEDICAL
ENGINEERING**



**APPLIED
MATHEMATICS
AND MODELING**



**COMPUTER
SCIENCE**



**MECHANICAL
ENGINEERING**



**MATERIALS
AND SURFACE
ENGINEERING**



**INDUSTRIAL
ENGINEERING**



FIELDS OF STUDY

BIOMEDICAL ENGINEERING



OBJECTIVE:

Training engineers to cover the design, development, maintenance and distribution of medical equipment, as well as the users' training, in a broad array of subfields: medical devices; medical imaging; clinical engineering; regulatory issues; training, certification and management of biomedical department in healthcare establishments.

FIELDS OF STUDY:

Biomedical techniques and medical devices (including regulatory requirements), computer science, signal and image processing, electronics and instrumentation, embedded systems dedicated to health systems, physics and medical imaging.

COMPUTER SCIENCE



OBJECTIVE:

Training qualified computer science engineers to build & develop information systems for the industry and businesses.

FIELDS OF STUDY:

Computer science, information systems, distributed environment, decision-making support systems.

MATERIALS AND SURFACE ENGINEERING



OBJECTIVE:

Training generalist engineers able to understand the links between development processes and materials inner structure and properties in order to optimize their performance.

FIELDS OF STUDY:

Elaboration, characterization of surface and bulk properties, surface treatment and modification, multiphysical modeling.

(ROANNE CAMPUS)

APPLIED MATHEMATICS AND MODELING



OBJECTIVE:

Training engineers capable of answering complex problems by proposing a mathematical model and offering a statistical/numerical/computational solution in order to develop competitiveness and innovation

FIELDS OF STUDY:

Numerical analysis, statistical modeling, data analysis, object-oriented data science programming, partial differential equation, high performance computing.

MECHANICAL ENGINEERING



OBJECTIVE:

Training engineers able to master the conception, modeling and numerical simulation of mechanical systems by taking into account the characteristics and constraints of a multidisciplinary project.

FIELDS OF STUDY:

Fluid mechanics, thermodynamics and heat transfer, solid and structural mechanics, numerical methods, vibrations, acoustics, energetics and hydrodynamics.

INDUSTRIAL ENGINEERING



OBJECTIVE:

Training production engineers with multidisciplinary skills, able to handle projects related to automation and production management of industrial processes.

FIELDS OF STUDY:

Automatics, mechanics, robotics, digital technics, programming, production management, CAD, experimental design.

BECOME AN ENGINEER

Come and study for a whole program to get an engineering degree from Polytech Lyon! After 5 years of study, Polytech delivers engineering degrees equivalent to a Master degree. Admission to Polytech network is done through a single application process within the Polytech network.

YOU MAY INTEGRATE POLYTECH LYON:

- On the 1st year (preparatory cycle)
- On the 3rd or 4th year (engineer cycle)

You will find more information in the International student guide (in french) on the Polytech network website: <http://www.polytech-reseau.org/en/completing-a-degree-with-polytech/>

The engineering classes are mostly given in french; you will need a B2 level to be able to apply.

*«At the beginning I chose Polytech for its complete study program.
After three years here I could not be happier with the decision.
Apart from the quality of the teaching team, I was able to meet wonderful people and get job opportunities that otherwise I would have never been able to reach.»*



Sofia, Materials and Surface Engineering student SPAIN

COME FOR A STUDY EXCHANGE

Take advantage of the exchange agreements between your university and Lyon 1 / Polytech Lyon to come and experience the life of a French student for a semester, a year or a double diploma.

Check with your international office at home the steps to apply for an exchange, and then check the International Relations page:

> <https://www.univ-lyon1.fr/foreign-student/>

For more info on Polytech Lyon :

<https://polytech.univ-lyon1.fr/english-version/>

The engineering classes are mostly given in french (please contact International Relations for more information on classes given in english).

«My exchange semester was one of the most important moments in my career.

Living in Lyon taught me about another culture and its way of life. I also met a lot of people from different countries. I was very welcomed at Polytech and that helped me to better profit from the exchange.

I am very happy that I decided to go to France and I am hoping to be back soon.»



Santiago, Computer Science student on study exchange from Universidad de los Andes
COLOMBIA

FOR MORE INFORMATION

CONTACT

international.polytech@univ-lyon1.fr

WEBSITE

<https://polytech.univ-lyon1.fr/english-version/>



POLYTECH
LYON