Graduate school of engineering

4 good reasons for choosing Université Savoie Mont Blanc

The Polytech network

5-year programmes

5 fields of specialization at Polytech Annecy-Chambéry

Industry within your training

Research in synergy with the courses

International perspectives

Polytech testimonials

Polytech: the place to be
Together, we can propose the best springboard for the future. The strength of the Polytech network lies in the use of sustainable intelligence on a daily basis:

- with the students, who are future high-level engineers
- with the companies, which support projects for the future
- with the researchers, who are conveyors of innovation

All together, we will take up and fulfill the challenges of tomorrow.

Philippe BOLON
Director Polytech Annecy-Chambéry

Polytech Annecy-Chambéry is a state school that has been granted the right to issue engineering diplomas in five fields by the Engineering Qualifications Commission.

- Data science
- Electrical Engineering and Computer Science
- Industrial Ecology
- Mechanical Engineering and Material Science
- Sustainable Building

The outstanding characteristic of Polytech Annecy-Chambéry is that it is part of both the Université Savoie Mont Blanc and the Polytech Network. This gives students the double guarantee of teaching based on high-level research and a diploma bearing the EUR-ACE label (Accreditation of European engineering programmes and graduates).
HUMAN-SIZED CAMPUSES

Located between Grenoble and Lyon, close to the Swiss and Italian borders, the Université Savoie Mont Blanc is a state-financed multi-disciplinary establishment of higher education, recognized at regional, national and international levels.

3 CAMPUSES

- Annecy
- Bourget-du-Lac
- Chambéry

RESEARCH FOR RECOGNIZED QUALITY

Its 19 laboratories maintain close links with national research organizations (CNRS, INRA, CEA, IRSTEA).

They distinguish themselves in particular by the organization into interdisciplinary thematic axes: mountain studies, solar energy, physics and mechatronics.

The quality of this scientific environment is further enhanced by the proximity of the CERN in Geneva, the largest particle accelerator in the world, and the nano-technologies research cluster in Grenoble.

AN INTERNATIONAL DIMENSION

Ranked among the best French universities for its international relations, the Université Savoie Mont Blanc comes first in the major networks for foreign exchanges.

KEY FIGURES

Established since 1979
Students: 15000
Staff: 1300

3 FACULTIES

Literature Languages and Human Sciences
Sciences and Mountain Studies
Law

1 Institute of Management
1 Graduate school of Engineering
2 Undergraduate University Institutes of Technology
19 Research laboratories

THE LARGEST NATIONAL NETWORK OF GRADUATE SCHOOLS OF ENGINEERING BASED WITHIN FRENCH UNIVERSITIES

The Polytech Group is a national network of 15 graduate schools of engineering within France’s leading science universities. These 15 schools award the French “diplôme d’ingénieur” (equivalent to an MSc. or an MEng.) which is a national diploma recognized by the French Ministry of Higher Education and Research.

The Polytech network proposes International Bridging Programmes for non-French speaking students:

- One semester or one year of intensive French language courses
- Scientific upgrading and project-based work
- Available from BSc level or equivalent

KEY FIGURES

17 000 engineering students
15 GRADUATE SCHOOLS OF ENGINEERING IN FRANCE
3 600 Graduates per annum
90 000 Alumni
The French engineering degree

- 5 years’ higher education
- 10 semesters’ study
- Master degree
- 300 ECTS credits obtained after the Scientific French Baccalaureate (Equivalent to a school leaving certificate.)

The French engineering degree entitles the holder to enroll in a doctoral program, or to start their professional life.

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**FRENCH EDUCATION SYSTEM**

**DOCTORATE**
- Doctoral Studies

**MASTER**
- National Master’s Degree
- Engineer Master Degree
- Vocational Bachelor’s Degree

**BACHELOR**
- Bachelor’s Degree
  - Integrated preparatory classes (PeiP)
  - Preparatory Classes
  - University Institute of Technology
  - Technical Studies

**BACCAULAÈAT**
- Selection

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**TRAINING AT POLYTECH ANNECY-CHAMBERY**

**ENGINEER DEGREE: 5-YEAR PROGRAMMES**

**DATA SCIENCE**
- Computer science, digital, research and development, consulting, sustainable development, telecommunications, production, finance, banking, insurance, health, transport, energy.

**ELECTRICAL ENGINEERING AND COMPUTER SCIENCE**
- Aeronautics, automotive, instrumentation, domotics, energy, electronics, automation, computer science, robotics.

**INDUSTRIAL ECOLOGY**
- Sustainable development
- Management of territory resources and flows
- Renewable energies and energy savings
- Effluent treatment, recycling.

**MECHANICAL ENGINEERING AND MATERIAL SCIENCE**
- Precision mechanics, aeronautics, automotive, transport, composite materials, energy.

**SUSTAINABLE BUILDING**
- Civil engineering, processing of air, water and waste, renewable energies.

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**MASTER: 2-YEAR PROGRAMMES**

**SOLAR ENERGY: ENGINEERING AND ECONOMICS**
- Fundamental concepts modeling, optimization and applications for solar energy

**ADVANCED MECHATRONICS**
- Control and computer sciences, electronics, mechanics, mechatronic systems

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**COURSE LANGUAGE**
- Engineer degree: French
- Master: English

* opening in September 2021
Industry within your training

**OUR PARTNER COMPANIES’ INVOLVEMENT**
Outside contributors are significantly involved in our school:

- Industrial design assessments
- Taking part in lectures or conferences
- Experience-sharing and panel discussions
- Organizing company visits
- Recruitment simulations
- Accepting work placements
- Helping students with community projects
- Participation in our school’s management bodies: university council, education committee and strategic committee

**PARTNER COMPANIES**
Promoting the Graduate school of Engineering

The Company Club brings together partner companies that have decided to invest, with support from the local authorities, in the training of tomorrow’s engineers. By doing so, the Club:

- Ensures that courses meet the needs of industry and include a strong vocational dimension throughout the student training
- Promotes relations between Polytech Annecy-Chambéry and the particularly rich and dynamic economic fabric of the Pays de Savoie region
- Enhances the school’s image and reputation

**INTERNSHIPS**
During the 5 years, our students spend more than 36 weeks on work placement. Each placement can be done abroad.

- “Initiation to professional domain” placement: 1st or 3rd year - minimum 4 weeks
- “Assistant engineer” placement: 4th year - minimum 6 weeks
- “Engineer” placement: 5th year - minimum 20 weeks

**IN SYNERGY WITH THE COURSES**
With its three flagship themes – mechatronics, renewable energies and intelligent systems - the engineering school is involved in innovative projects alongside the CIMES (Mont-Blanc Industries), and Tenerrdis business clusters, the INES (National Solar Energy Institute), Plastipolis the maison de la Mécatronique, the CEA (French Alternative Energies and Atomic Energy Commission), the ADEME (Environment and Energy Management National Agency) and the CETIM-CTDEC (National Technical Center for Mechanical Industries-Technical Center for Screw-Machining Industry).

**BENEFITING FROM 3 RESEARCH LABS**

- Knowledge and Information Processing: LISTIC
- Civil Engineering and Energy: LOCIE
- Mechatronics and Materials: SYmMEnE

**SOLAR ACADEMY**
University School of Research Polytech Annecy-Chambéry benefits from a benchmark training system in Solar Energy, through and for research on a national level.

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Our geographical location on the Swiss and Italian borders naturally reinforces the international vocation of our graduates. Polytech actively participates in the ERASMUS PLUS (Europe) / BCI (Canada Québec) / ORA (Canada Ontario) / ISEP (USA) programs.

International perspectives

PARTENARIATS AVEC LES UNIVERSITÉS

ALLEMAGNE
- Fachhochschule Aachen
- TU Braunschweig
- Carlus University
- FH Bergakademie Freiberg - Fachhochschule
- Hochschule Kaiserslautern
- Hochschule Magdeburg

ARGENTINE
- Univ. Nacional del Sur
- Univ. Nacional de Rosario
- Univ. Nacional de Cuyo
- Univ. Nacional de la Plata
- Univ. de Buenos Aires
- Univ. Nacional del Sur

AUSTRAILE
- University of New South Wales

BELGIQUE
- Université Libre de Bruxelles

BRESIL
- Univ. Federal Fluminense
- Univ. Federal de Santa Catarina
- Univ. Federal de Viçosa

BULGARIE
- Sofia Polytechnic University
- Technical University of Sofia

CZECH REPUBLIC
- Czech Technical University in Prague
- Tomas Bata University in Zlin
- University of West Bohemia in Pilsen

DENMARK
- Aarhus University
- Technical University of Denmark

IRELAND
- Trinity College Dublin

ITALIE
- Politecnico di Bari
- Università degli Studi di Roma "Tor Vergata"
- Università degli Studi di Palermo
- Politecnico di Torino
- Università di Firenze

JAPAN
- Kogakuin University
- University of Tokyo

LATVIA
- University of Latvia

LUXEMBOURG
- University of Luxembourg

NETHERLANDS
- University of Twente
- Eindhoven University of Technology

POLAND
- Technical University of Gliwice
- Technical University of Wroclaw

PORTUGAL
- University of Coimbra
- The University of Minho
- University of Porto

ROMANIA
- University of Bucharest
- University of Bucharest Polytechnic

RUSSIA
- Moscow State University

SLOVAKIA
- Pavol Jozef Safarik University in Košice
- Technical University of Košice

SLOVENIA
- University of Ljubljana
- University of Maribor

SWITZERLAND
- ETH Zürich
- University of Applied Sciences of the
canton of Berne

THAILAND
- King Mongkut’s Institute of Technology Ladkrabang

TUNISIA
- National Engineering School of Tunis

UKRAINE
- National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”
- National Technical University of Ukraine "Kyiv Polytechnic Institute"

UNITED KINGDOM
- Imperial College London
- University College London

UNITED STATES
- University of California, Berkeley
- University of California, Los Angeles

INTERNATIONAL MOBILITY

Gennaro BLARASIN

comes from Mendoza, Argentina. He is studying Electrical Engineering and Computer Science as part of the partnership between the engineering school and the National University of Cuyo.

"I chose Polytech Annecy-Chambéry because it is a recognized institution and its research laboratories are well equipped. The region is attractive with its lake and mountain setting. I was able to finance my training project in France thanks to the ERASMUS+ International Credit Mobility grant.

I worked on two exciting professional projects: the first was an automated wheelchair, and the second, an Internet of Things (IoT) connected games room.

I did my internship at CERN in Switzerland. My mission was to develop Machine Learning and Data Mining algorithms to interpret data collection during a collision.

This experience abroad enabled me to make friends, discover other teaching methods and develop a network of contacts with international companies.

What was my best memory about Annecy? Without a doubt, swimming in the lake! But also bike rides.

My message to future students would be that people are welcoming and caring. The lifestyle is fabulous. You’ll love it!"

Anna Beatriz GUIMARAES

is a student at Fluminense Federal University in Volta Redonda, Rio de Janeiro, Brazil. She chose to continue her studies at Polytech in Mechanical Engineering and Material Science.

"I chose Polytech Annecy-Chambéry after recommendations from my Brazilian friends who already studied at the engineering school, and thanks to the partnership between my university and Polytech. This experience abroad enabled me to make friends, discover other teaching methods and develop a network of contacts with international companies.

The two training semesters were very rewarding! They allowed me to improve my knowledge in engineering, and progress in French.

Polytech Annecy-Chambéry, with support from its teams and helpful teachers, enabled me to live a very pleasant and unique experience. I would recommend it to anyone looking for more than just an exchange of studies, as it is a rewarding experience on both a professional and personal level."

Polytech testimonials
Polytech Annecy-Chambéry is located in the French Alps region, the second most popular tourist destination and the second strongest economic region in France, it is known world-wide as a top site for innovation.

- 3h from Paris by TGV train
- 1h from Lyon (international airport) by car
- 1h from Chamonix Mont Blanc by car
- 45 min from Geneva (international airport) by car