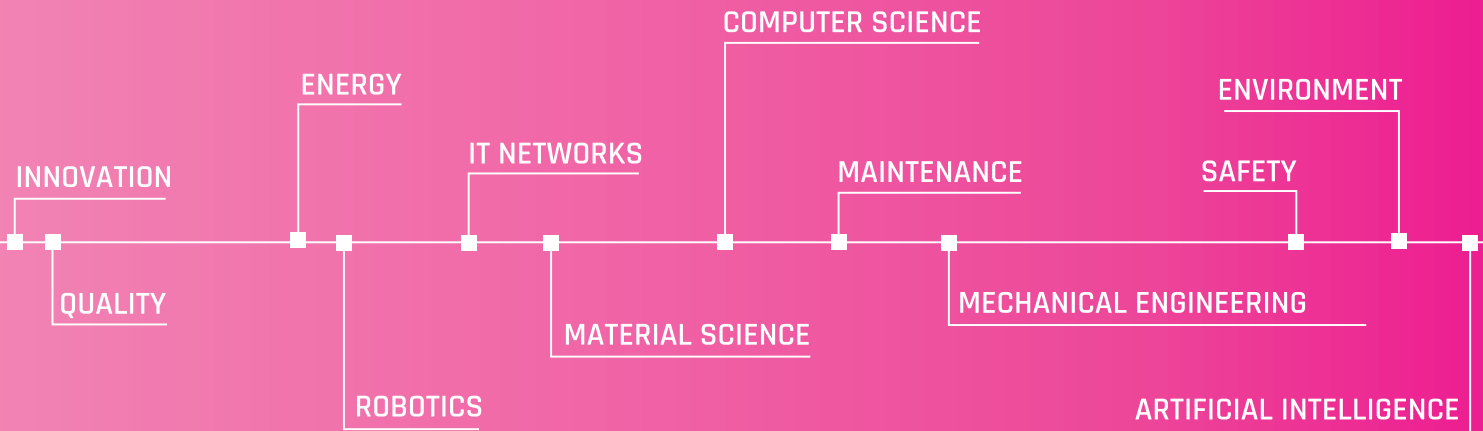
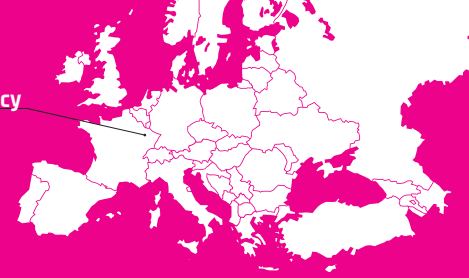


Polytech Nancy

Graduate School of Engineering



Nancy



Polytech Nancy is a public graduate school of engineering, a component of the *Université de Lorraine* and a member of the Polytech Group and the Lorraine INP Collegium.

Polytech Nancy issues 5-year Master's Degrees in Engineering (*Diplôme d'Ingénieur*) accredited by the CTI, the French commission that oversees academic engineering qualifications.

Since its creation in 1960, Polytech Nancy has trained and graduated more than 5,600 engineers who work in all sectors of industry. Engineers trained at Polytech Nancy are multi-skilled, open-minded, adaptable and highly responsive.

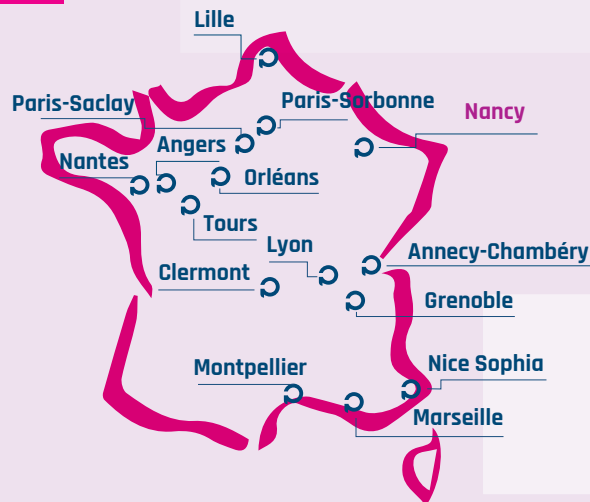
POLYTECH NANCY

- 900 engineering students
- 80 faculty members and 100 guest lecturers
- 11 research laboratories
- 65 partner universities worldwide
- Student's Union and Certified Junior Enterprise
- Polytech Alumni
- Surface area of 18,000 m² including:
 - Technology resource center
 - Multimedia room
 - University library, gymnasium, snack bar



THE POLYTECH GROUP

- 🕒 15 engineering schools
- 🕒 Over 100 majors
- 🕒 18,000 students
- 🕒 90,000 graduates



www.polytech-reseau.org

ADMISSION PROCEDURES



FOR INTERNATIONAL EXCHANGE STUDENTS

- Application procedure: Exchange students must be nominated by their home university
- Application deadlines: 31 May / 31 October

Contact: polytech-nancy-international@univ-lorraine.fr

FOR INTERNATIONAL DEGREE-SEEKING STUDENTS

- Admissions to Polytech Nancy are possible in 1st year, 3rd year or 4th year for students with a scientific background

Contact: polytech-nancy-concours@univ-lorraine.fr



PREPARATORY CYCLE

IN 2 YEARS

The two first years of the PeiP (*Parcours des écoles d'ingénieurs Polytech*) prepare students for the Engineering Cycle (last year of Bachelor and Master of Engineering level) by giving them a multidisciplinary scientific approach with specific courses adapted for engineers.



ENGINEERING CYCLE



IN 3 YEARS AFTER THE PEIP CYCLE

Polytech Nancy proposes 3 engineering programmes:

■ **Energy, Mechanical engineering, Material science and Environment (EMME)**

EMME engineers are able to design, produce, and improve products, processes and systems, as well as innovate, manage teams, and manage all phases of an industrial project, while integrating social and environmental criteria.

They will be able to propose and develop solutions to meet tomorrow's challenges.

SECTORS OF ACTIVITY

Production, transport and distribution of energy - Renewable energies - Materials - Construction - Civil engineering - Waste treatment and recovery - Water and wastewater treatment - Automotive - Aeronautics - Aerospace - Advanced materials technologies - Health - Research, etc.

■ **Operational Management, Maintenance and Risk Management (M3)**

M3 engineers master technical knowledge and can manage innovations as well as the organisation of industrial activities. These skills enable them to take part in the development of the new industrial revolution. They are able to safeguard against risks and their impacts on the people and the environment. Their multidisciplinary profile opens prospects in all engineering sectors.

SECTORS OF ACTIVITY

Energy production and distribution - Transport and Supply Chain - Industry (automotive, metallurgy, electronics, chemicals, food processing, pharmaceuticals) - Maintenance, Safety and Risk Assessment (consulting, auditing, expertise), etc.

■ **Computer Science, Control Engineering, Robotics, IT Networks (IA2R)**

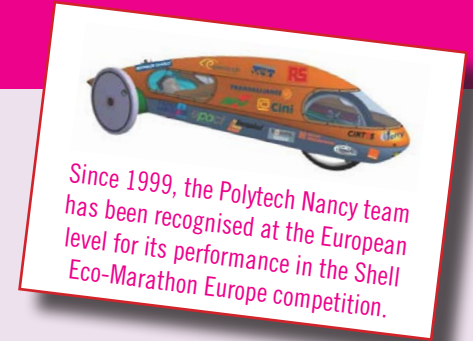
IA2R engineers are able to evolve and innovate in the fields of computer science, automatic control, robotics, IT networks, supervision and monitoring of systems, embedded systems, connected objects, system security and cyber security, big data and artificial intelligence.

SECTORS OF ACTIVITY

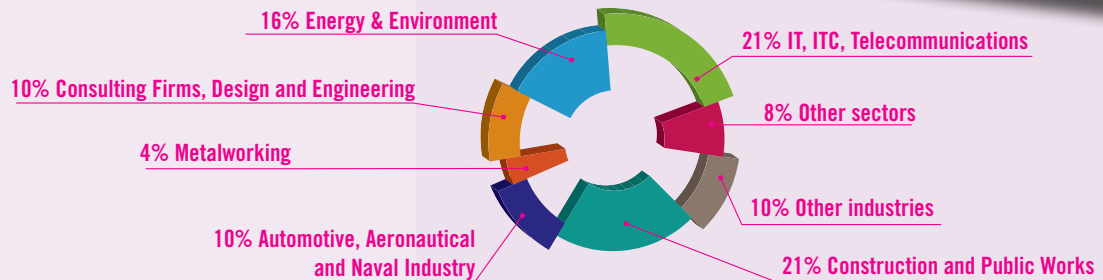
Digital economy - Transport - Automotive - Robotics - Aeronautics - Space and Defence - Industry of Information Technology and Services - Internet and Multimedia - Network & Telecom Operator - Consulting firms - Financial institutions - Agri-food Industry - Cybersecurity, Research & Development, etc.

TEACHING AND INDUSTRY

Polytech Nancy is in contact with over 200 partner companies that offer students industrial projects and internships, company visits and professional conferences, job and internship forums, mock job interviews, courses given by professionals, etc.



CAREER OPPORTUNITIES (sectors of activity)



RESEARCH

Polytech Nancy works in partnership with 11 research laboratories. This enables our professors to stay on top of the latest developments in their field. The domains of research are very close to our degree programmes.

- **LEMTA** - Laboratory of Energies Theoretical and Applied Mechanics
Energy carriers - Fluid matter, Rheology - Energy and transfers - MRI for engineering
- **LEM3** - Laboratory for the study of Microstructures and the Mechanics of Materials
Mechanics of Materials - Structures and Living - Engineering of Microstructures - Processes - Anisotropy - Behaviour - Thermomechanics of Processes and Tool-Material Interactions
- **IJL** - Institut Jean Lamour
Materials, Metallurgy - Nanosciences - Plasmas - Surfaces - Electronics - Energy - Environment - The preservation of resources - The industry of the future - Mobility - Health
- **LCPME** - Laboratory of Physical Chemistry and Microbiology for the Environment
Porous, lamellar and functionalized materials - Physic-chemistry of bio interfaces - Analytical methods and sensors - Spectroscopies and microscopies of surfaces
- **LPCT** - Laboratory of Theoretical Physics and Chemistry
Materials and Chemistry
- **BETA** - Bureau of Theoretical and Applied Economics
Change economics and systems management - Theory and economics modeling - Economic research about governance - law and social policy
- **IDEA** - InterDisciplinarity in English Studies
Humanities and Social Sciences
- **IECL** - Institut Elie Cartan de Lorraine
Mathematics Research Institute
- **GREEN** - Group of Research in Electrical Energy of Nancy
Applications of supraconductors for electrical engineering - Electromechanical conversion chains
- **CRAN** - The Research Center for Automatic Control in Nancy
Signals & images, Predictive maintenance, Networks - Production systems - Control, Diagnosis -Identification - Biology, Cancer & Neurosciences
- **LORIA** - Lorraine Research Laboratory in Computer science and its Applications
Computer supports and cooperative work - Formal methods - Networks, Systems and Services - Natural Language Processing & Knowledge Discovery - Complex Systems - Artificial Intelligence and Robotics

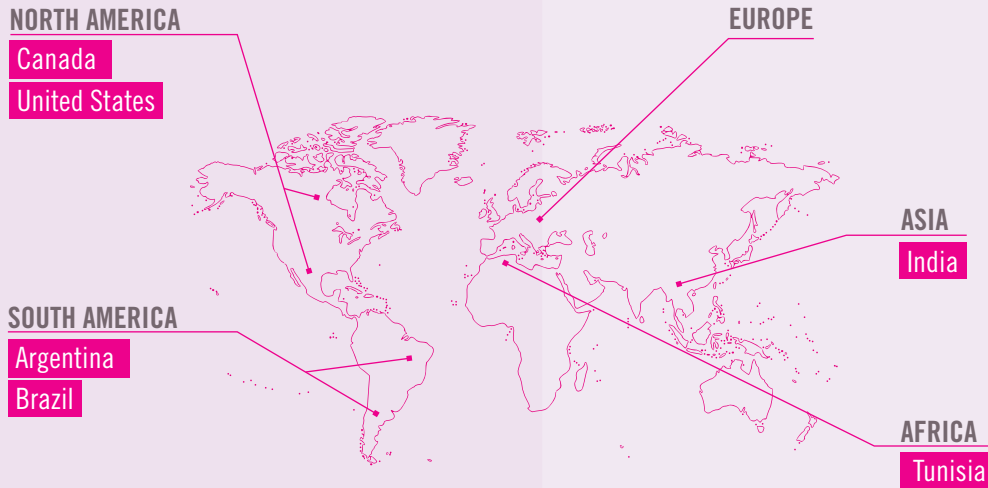
INTERNATIONAL



Polytech Nancy has built strong partnerships with 65 universities worldwide and participates in the Erasmus+, Erasmus+ IMC, Campus Europae, BCI, Arfitec and Brafitec exchange programmes.

Double-degree programmes are proposed in partnership with universities in the USA, Canada and Tunisia.

Over 70% of Polytech Nancy graduates have benefitted from an international experience of at least one semester for studies or an industrial placement.



Izabela from Warsaw University of Technology, Poland

Without a doubt, my Erasmus experience at Polytech Nancy enabled me to develop personally. I am so glad that I had the opportunity to be in a class with such open-minded people, always ready to help and we would talk as if we had known each other for ages. I am also very grateful to all the professors.

I am sure this experience will stay with me for a long time. Going to Erasmus is not just a period of studying abroad, it's a life you share with others.



Indra from the University of Stuttgart, Germany

I am a mechanical engineering student from the Universität Stuttgart, Germany. For my 5th Bachelor semester, I decided to participate in the Erasmus programme at Polytech Nancy. It was very interesting to get to know a different higher education system.

The Erasmus coordinators were very kind, if I had a question or even a problem, they always offered a helping hand. The professors were very approachable and supportive also.

I improved my French skills a lot during my stay. In addition, it really helped that I took French classes twice a week in the evenings. During my free time, I especially enjoyed the activities organised by the ESN (European Student Network).

So, I would like to use this opportunity and thank especially my coordinators, but also everyone else for the warm welcome and for making my stay so memorable.



■ **Courses and projects in English**

Polytech Nancy proposes courses taught in English in the EMME programme in the 1st year of the engineering cycle (last year of Bachelor level).

Materials and final exams are available in English for some courses in the IA2R programme, throughout the 3 years of the engineering cycle.

International exchange students can apply for a credit-earning project or internship in English offered in one of our 11 research laboratories.

■ **Buddy System**

Polytech Nancy through the *Université de Lorraine* participates in the Buddy System. After having been paired with a buddy, new students learn how to get around the school and the city of Nancy and receive support for administrative procedures.

■ **Bienvenue en France Label**

The *Université de Lorraine* was awarded the “*Bienvenue en France*” label in 2019. This label was created to allow institutions to highlight their ability to accommodate new international students. It is awarded by Campus France for a period of 4 years and validated by an independent commission.



STUDENT LIFE

Nancy is one of the largest student cities in France. More than 18% of the population are students. There are 62 000 students within the Université de Lorraine, 10 000 of those students are international.

Nancy is 90 minutes from Paris by TGV and 100 kms from the Vosges mountains. With its famous Place Stanislas, part of the Unesco World Heritage, the Art-Nouveau architecture and many beautiful parks, Nancy is an ideal place to study. Numerous festivals (jazz, rock, literary) and cultural events make Nancy a dynamic and attractive city.



©Ville de Nancy

STUDENT'S UNION

The Student's Union harmonizes academic and non-academic life. It manages the snack bar and over 30 clubs (sports, cultural, and artistic), and organizes different thematic evening parties, sporting tournaments, concerts, trips, etc.

JUNIOR ENTERPRISE

Polytech Nancy Services proposes paid projects for students in relation to the subjects studied.

POLYTECH ALUMNI

The Polytech Alumni is the intermediary between the 5,600 graduates since 1964 and the current students of the school.



PRACTICAL INFORMATION

- Student residence Haute-Malgrange on the school campus, managed by the CROUS
- 3 kms from the city centre, served by several bus lines
- Student restaurants 10 mins by bus, 5 mins by car



Polytech Nancy

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polytech-nancy-international@univ-lorraine.fr

www.polytech-nancy.fr

