



POLYTECH[®]
NANCY

Graduate School of Engineering

RESPONSIBLE ENGINEERS FOR BUSINESS AND SOCIETY

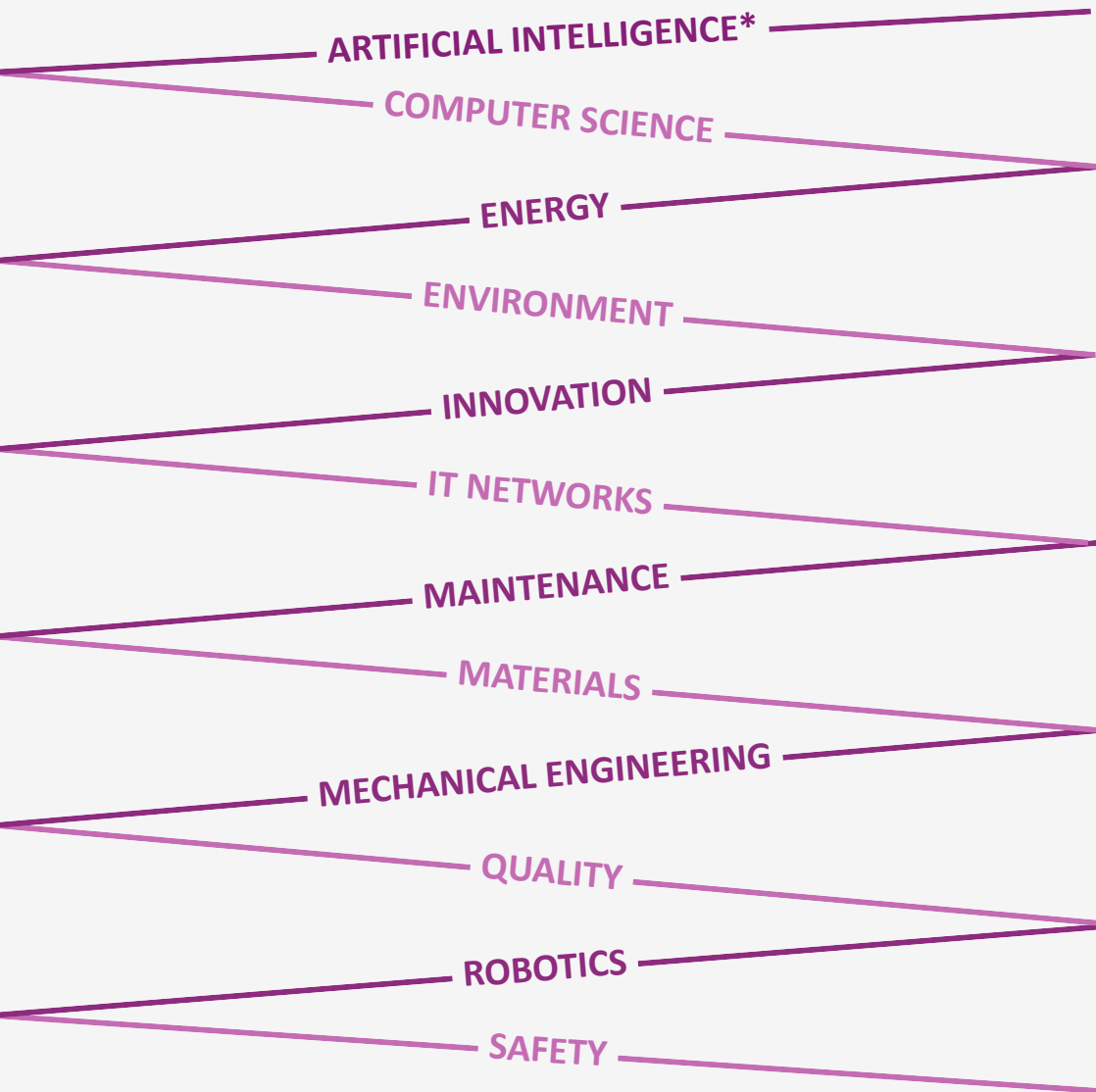


www.polytech-nancy.fr



UNIVERSITÉ
DE LORRAINE

LORRAINE
INP



ENGINEERING CYCLE



IN 3 YEARS AFTER THE PREPARATORY CYCLE

Polytech Nancy offers 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.

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.

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 people and the environment. Their multidisciplinary profile opens prospects in all engineering sectors.

RESEARCH



The professors at Polytech Nancy are affiliated with 11 research laboratories, allowing them to stay on top of the latest developments in their field. The domains of research are very close to our degree programs.

BETA - Bureau of Theoretical and Applied Economics

Change economics and systems management - Theory and economics modeling - Economic research about governance - law and social policy

CRAN - Centre de Recherche en Automatique de Nancy

Signals & images, Predictive maintenance, Networks - Production systems - Control, Diagnosis - Identification - Biology, Cancer & Neurosciences

GREEN - Group of Research in Electrical Energy of Nancy

Applications of supraconductors for electrical engineering - Electromechanical conversion chains

IECL - Institut Elie Cartan de Lorraine

Mathematics Research Institute

IJL - Institut Jean Lamour

Materials, Metallurgy - Nanosciences - Plasmas - Surfaces - Electronics - Energy - Environment - The preservation of resources - The industry of the future - Mobility - Health

IDEA - InterDisciplinarity in English Studies

Humanities and Social Sciences

LCPME - Laboratory of Physical Chemistry and Microbiology for Materials and the Environment

Porous, lamellar and functionalized materials - Physico-chemistry of bio interfaces - Analytical methods and sensors - Spectroscopies and microscopies of surfaces



■ **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 Mechanics of Materials

Mechanics of materials, structures and living tissues - Engineering of Microstructures - Processes - Anisotropy - Behaviour - Thermomechanics of Processes and Tool-Material Interactions

■ **LORIA** - Lorraine Research Laboratory in Computer science and its Applications

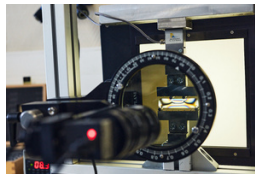
Computer support and cooperative work - Formal methods - Networks, Systems and Services - Natural Language Processing & Knowledge Discovery - Complex Systems - Artificial Intelligence and Robotics

■ **LPCT** - Laboratory of Theoretical Physics and Chemistry

Quantum dynamics - Soft Matter physics - Biophysics



Polytech Nancy is proud to foster a rich multidisciplinary research environment, thanks to its strategic partnerships with prominent institutions such as CNRS and Inria.



These strong research partnerships offer our students and faculty access to:

- Cutting-edge technology platforms (e.g., Inria's Cyber-Range, high-performance computing clusters)
- Joint supervision of doctoral studies and participation in high-level research initiatives
- International visibility and funding opportunities through ERC grants and tech transfer to startups

Inria



The research activities carried out by our professors actively contribute to achieving 14 of the UN's Sustainable Development Goals.

EXCHANGE PROGRAMMES



■ Courses in English

Courses are taught in English in the EMME programme during semesters 5 and 6, which correspond to the final year of the Bachelor's level and first year of the engineering cycle. In addition, course materials and final exams are available in English for all courses and all semesters of the EMME, IA2R, and M3 programmes.

■ Supervised Projects during an International Exchange Semester

As part of the International Exchange Semester at Polytech Nancy, students have the opportunity to take part in supervised projects that combine academic learning with real-world application. These projects are an excellent way to deepen your knowledge, improve your communication skills, and explore interdisciplinary topics.

■ Mandatory Components

Advanced Project Work

16 ECTS

At Polytech Nancy, students have the opportunity to propose and carry out an individual project on a topic of their choice, related to their field of study. This experience allows them to deepen their technical expertise while developing autonomy and project management skills.

Communication in English

2 ECTS

Improve your professional communication skills in English, with a focus on presentations and intercultural collaboration, essential for working in an international environment.

■ Optional Components

French as a Foreign Language or Intercultural Communication

3 ECTS

Offered in partnership with the Humanities and Social Sciences Department (UFR SHS), these courses help you adapt to the French academic and cultural context.

Scientific Research and Literature Review Project

5 ECTS

Conduct a scientific and bibliographic review (including web-based research) on a topic linked to your advanced project. This enhances your research and critical thinking skills.

Sustainable and Digital Transition Project

4 ECTS

Explore current challenges related to sustainability and digital technologies. This project encourages innovation and responsible engineering practices.

ADMISSION PROCEDURES

FOR INTERNATIONAL EXCHANGE STUDENTS

- Application procedure: Exchange students must be nominated by their home university. A bilateral agreement between the institutions is required for admission.
- Application deadlines: 31 May / 31 October

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



FOR INTERNATIONAL DEGREE-SEEKING STUDENTS

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

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



STUDENT LIFE

Nancy is one of France’s largest student cities, with over 62,000 students, including 10,000 international students at Université de Lorraine. Just 90 minutes from Paris, it offers rich culture with UNESCO-listed Place Stanislas, Art Nouveau architecture, and green spaces. Festivals and cultural events make Nancy a vibrant and welcoming place to study.



STUDENTS’ UNION

The Students’ 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.

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





Welcome day

Polytech Nancy welcomes international students with a special day at the start of the semester. The event begins with a practical information session, followed by a welcome lunch. In the afternoon, students are accompanied by local students to discover campus life, join clubs, and take part in fun activities.

Share my country

"Share My Country" is a festive event at the beginning of December where international students present traditional dishes from their home countries to local students and faculty. It's a vibrant celebration of global cultures through food, conversation, and connection. The event also marks the launch of the application period for students interested in studying abroad in one of our 80 partner universities worldwide, inspiring cultural exchange and international curiosity.

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.



Buddy System



In 2024, the University of Lorraine has been awarded the highest distinction in the Bienvenue en France label by the Campus France Accreditation Commission. This recognition highlights the university's strong commitment to welcoming and supporting international students. The University of Lorraine now joins the select group of 40 institutions in France to have received the maximum 3-star rating.



Erasmus Student Network

TESTIMONIALS



Serena, University of Camerino, Italy

I am a Master's student in Mathematics and Applications at the University of Camerino, Italy, currently following a curriculum focused on applied mathematics for industrial engineering. I am in the final year of my studies and decided to take part in the Erasmus for Traineeship program and decided to take part in the International Exchange Semester which gave me the opportunity to spend five months at the University of Lorraine, at Polytech Nancy, working on my thesis project.



Erasmus Project

The project was selected in agreement with my supervisor, Professor Didier Theilliol, and focuses on optimizing energy consumption in the simulation of an autonomous ground vehicle. Although the topic differed from my academic background (Mathematics), I was able to adapt quickly thanks to the continuous support of the professors and students. I was provided with initial study materials, which were essential in helping me reach my goals within just a few months.

I had a very positive experience working with my supervisor: he was extremely organized, precise, and always available, not only for academic guidance but also for any other needs I had during my stay.

ESN Nancy

Nancy is a welcoming and peaceful city, and a very pleasant place to live. As soon as I arrived, I joined the Erasmus Student Network (ESN), an organization that, for a small annual fee, provides a membership card granting access to all activities organized for Erasmus students. Every month, ESN Nancy publishes a full calendar of events on their Instagram profile (@esn_nancy).

Thanks to these initiatives, I had the chance to meet many other international students from different faculties and countries. It was incredibly enriching to connect with them and share experiences such as trips to nearby towns, nature walks, international dinners, karaoke nights, parties and much more.

I highly recommend that all Erasmus students take part in the activities organized by ESN: it's a great way to integrate, make friends, and fully enjoy life abroad!



Polytech Nancy is a public engineering school within the University of Lorraine and a member of the Polytech Group. It offers a 5-year CTI-accredited Master's Degree in Engineering. Since 1960, over 5,600 engineers have graduated, trained to be versatile, open-minded, and adaptable.

POLYTECH NANCY



900 engineering students



11 research laboratories







80 partner universities worldwide



Polytech Alumni



THE POLYTECH GROUP

-  **16** engineering schools
-  **Over 100** majors
-  **18,000** students
-  **100.000** graduates



Polytech Nancy
2 rue Jean Lamour F-54500 Vandœuvre-lès-Nancy
polytech-nancy-international@univ-lorraine.fr
www.polytech-nancy.fr