
FUTURE
NOW!
MINESnancy
ARTEM

MINES NANCY AT A GLANCE

6TH & 8TH Mines Nancy is consistently ranked by the national press as one of the top 10 French engineering schools.

Founded in **1919**

800 students

80% students employed before graduation

25% international students

15 000 alumni worldwide *(Intermines network)*

INTERNATIONALLY RECOGNIZED RESEARCH

The laboratories of the University of Lorraine are constantly recognized in the Shanghai ranking (Shanghai 2020 ranking) :

11TH in the world in Mining Engineering and Mineralurgy

43RD in the world in Metallurgical Engineering

49TH in the world in Artificial Intelligence

OUR MISSION

Mines Nancy is one of the leading engineering Grandes Écoles widely acknowledged both at a national and international level. Our mission is to train innovative engineers with both a strong scientific background and an important place left to humanities to develop their ability to tackle strategic challenges for the society in their whole complexity. This ambition is supported by high-tech, industrial and social projects that bring together students, teachers, researchers, startupers and industrial partners to build up sustainable future for our planet.

RESEARCH LABS

Unique cross-functional research platform to promote innovation, development and international collaboration.

JEAN LAMOUR INSTITUTE

Materials Science, Metallurgy, Nanosciences

GEORESOURCES

Geomodelling, Raw Materials, Geosystems

LORIA

Computer Science, Control and Automation

LEMTA

Mechanics and Energy

INSTITUTE ELIE CARTAN

Mathematics

LEM3

Materials, Mechanics, Microstructures

BETA

Economics and Management

MAIN SCIENTIFIC FIELDS

Mines Nancy values the diversity of its students' talents and professional interests and provides opportunities for building personalized study tracks that perfectly align with students' career plans and aspirations.

- **COMPUTER SCIENCE**
- **INDUSTRIAL ENGINEERING**
- **MATERIALS SCIENCE**
- **ENERGETICS AND PROCESSES**
- **GEOLOGY AND GEOPHYSICAL ENGINEERING**
- **APPLIED MATHEMATICS**
- **3D MANUFACTURING**

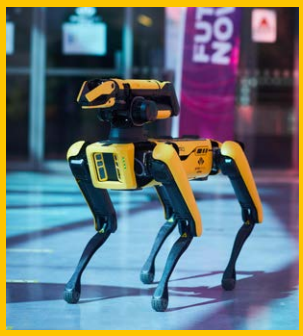
AREAS OF EXPERTISE

Always on the lookout for innovations, Mines Nancy offers its students the opportunity to work on the latest technological advances such as AI and robots, transport of tomorrow, 5G and biotechnologies.

ROBOTICS/AI

Together with teacher-researchers and industrial partners, students work on the integration of artificial intelligence in robotics and the development of operational applications for academic, scientific and industrial fields.

The collaborative projects respond to real industrial challenges and allow students to implement the latest technologies for robotics and artificial intelligence in complex working environments, to develop multi-robot and robot/drone collaboration, to design on-board equipment etc.



CYBER

Equipped with a reverse engineering room dedicated to malwares, Mines Nancy prepares professionals for the computer security sector, with a focus on vulnerability analysis and forensics and in line with societal needs. It also focuses on the vulnerability of hardware and cyber-physical objects.

5G

Mines Nancy is the first university in Europe equipped with its own industrial 5G stand alone platform implemented in collaboration with NOKIA group. The platform is a great asset for innovation, entrepreneurship, and collaborative work which allows students to embrace 5G breakthrough technology and experiment over its innovative applications.

URBANLOOP

Urbanloop is an innovative future mobility company originated from pedagogical project with an ambition to meet the challenges of green transition. Today, Urbanloop involves nine engineering schools and more than hundred students participating in its development every year. The project won many awards and received the highest political and industrial support to deploy the first Urbanloop network for the Paris Olympic Games 2024.

STRATEGIC MATERIALS

Mines Nancy prepares its students to become the engineers of tomorrow, capable of developing, producing and marketing new and more efficient materials for green and digital transitions and Industry 4.0.The students' projects address major societal challenges of energy, health, environment or transportation and include such areas as Design of Innovative Alloys, BioMaterials Engineering and Materials, Devices and Energy.

One of the hot spots for the students is the Tech Lab which allows them to join high-tech projects submitted by industrial partners or develop their own activity. The Tech Lab is both a set of platforms of electronics, mechatronics, 3D printing, robotics, AI, etc. and a community composed of students, professors, startupers and alumni.

INTERNATIONAL OUTLOOK

Mines Nancy is a diverse school which welcomes students from all around the globe (25% of students are international). Thanks to the strong relationships with more than 80 partner institutions on 5 continents, Mines Nancy offers all its students opportunities for exchange studies, international internships, joint-degree and double-degree programs.

Mines Nancy researchers collaborate with colleagues worldwide contributing to continuous expansion ofits partnership network and enhancement of its global presence.

We offer two tracks taught in English (equivalent of Master 2 level):

MULTISCALE MATERIALS

BIG DATA & DATA SCIENCE

PARTNERSHIP SCHEMES

At Mines Nancy we consider every of our partner as unique and therefore we have different collaborating schemes

INTERNSHIP

Doing an internship abroad is a great opportunity for the students' careers but it might also be challenging. We are facilitators to propose a internship positions either at Mines Nancy or within a partner research laboratory, and of course we assist the students at all the steps of their arrival.

EXCHANGE

It is a wonderful experience for students to be acquainted with other countries, other culture and working methods. Whether you are in the Erasmus Area or not, we have experience in establishing long-term exchange agreements.

DOUBLE DIPLOMA

It is a great way to become a local! The double degreed students become ambassadors and contribute to the strength of the partnerships. After a successful exchange agreement, we are always happy to consider double diploma.

STRATEGIC PROJECTS

In the context of concomitant Green and Digital transition, our societies are changing drastically. Companies need to be ambitious to meet the Green Deal Challenge, and so must be Academia to train the next generation. At Mines Nancy, we are proactive to participate or even lead ambitious projects to transform our teaching habits.

ERASMUS PROJECT

We are committed in the Key-Action 2 of the Erasmus program through applications to "Cooperation partnership" and "Erasmus Mundus Joint Master's Degree". We are excited about new projects and are ready to share our facilities and know-how.

ENTREPRENEURIAL SPIRIT

The entrepreneurial spirit at Mines Nancy is to inspire, train through action, experiment, share and invent.

A dynamic fed by a high-performance ecosystem and a cutting-edge technological platform... Let's go for the entrepreneurial spirit!

The school offers its 2nd year students who wish to embark on the entrepreneurial adventure, to follow a dedicated course of 1.5 days per week.

These students benefit from :

- personalized coaching/mentoring,
- specific courses (patent filing, management, HR management, etc.),
- dedicated speakers,
- the school's technological platform.

To accompany this opening to entrepreneurship, all Mines Nancy students can benefit from the status of student-entrepreneur and have access to the support and resources of the **Pôle Entrepreneuriat Étudiant de Lorraine (PEEL)**.

This course can be extended into the third year as part of a «business development» break and thus have the necessary time to develop of their project.

SOCIAL AND ENVIRONMENTAL COMMITMENT

Always in the vanguard, Mines Nancy is placing increasing emphasis in its educational activities to raising awareness of the issues associated to the ecological and societal transition that we are beginning today.

A differentiating approach, at the interface of the school's five scientific departments of the school, which positions students and teachers as true players in this field.

The training prepares our students for the major challenges of tomorrow by allowing them to follow between 50 and 800 hours of teaching (out of a total of 2,000 hours) dedicated to the ecological transition, sustainable development and social responsibility.

The school has a TSE unit that brings together staff and students of the school and is responsible for implementing the school's policy in this area and makingpolicy in this area and to make proposals and take action.

A school of

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FIND OUT MORE!