ECOLE NATIONALE SUPERIEURE D'AGRONOMIE ET DES INDUSTRIES ALIMENTAIRES
UNIVERSITE DE LORRAINE

SINCE 1896

Engineering, Graduate and Postgraduate School in

AGRICULTURE
ENVIRONMENT
FOOD SCIENCES
BIOTECHNOLOGY

WELCOME TO ENSAIA

CONTENT

ENSAIA is an Engineering School in the area of Agricultural and Food Sciences created in 1893. In the few last decades, its scope has extended to Environmental sciences and Biotechnology.
It has been re-accredited until 2016 by the French Education Ministry and holds EUR-ACE quality label for the European Higher Education Area.

Why such a brochure in English?

Engineering schools such as ENSAIA are renowned in France but this national programme is less (sometimes not) known abroad. This brochure aims at presenting the main features of our Engineering degrees and its compliance with the Bologna process (Bachelor, Master and PhD).
The key-points of an Engineering Degree (a Master of Sciences and Engineering) are:
– strong and well-balanced programmes (Sciences, Technology, Economics, Management & Humanities)
– recognized as the pinnacle of the French education system in sciences and technology
– strong emphasis on projects and professional experiences (3 compulsory summer work placements)
– degree leads to executive positions in the industry and the development of top careers
– courses are mainly taught in French
– extended stays abroad, 2 foreign language certificates, 66% spend a full semester abroad
We offer to international students not only a rigorous programme in sciences and technology but also a memorable cultural experience that will broaden your horizons: discovering France and the world by learning several languages, sharing friendship with your peers and solidarity values with local or worldwide associations, realising your professional plans and fulfilling your dreams!

Frantz Fournier
Head of International Relations
ensaia-international@univ-lorraine.fr

NANCY IS A CITY OF ANCIENT HISTORY LOCATED IN LORRAINE, EASTERN FRANCE

NANCY
AND ITS UNIVERSITY

- Location: Less than 90 minutes from: Paris, Luxemburg and Basel
- Weather: www.meteofrance.com
  Intermediate Oceanic/Continental, around -5 +5°C in winter and 25-35°C in summer.
- Tourist office: *www.ot-nancy.fr*
- Université de Lorraine: *www.univ-lorraine.fr*
  offers programmes in nearly all areas
- Size: 40 000 Students in Nancy for 300 000 inhabitants.
- In Université de Lorraine, the Lorraine-INP College is dedicated to graduate engineering, Master and PhD studies.
- In Lorraine-INP, ENSAIA is focused on education and research in:
  - agriculture
  - food
  - environment
  - biotechnology

ACADEMIC PROGRAMMES

ENSAIA OFFERS:

– Graduate Engineering programme (3 years, following 2 years of preparatory classes)
ECTS equivalence: 120 (Prep. Class) + 180 (Eng.) = 300 ECTS

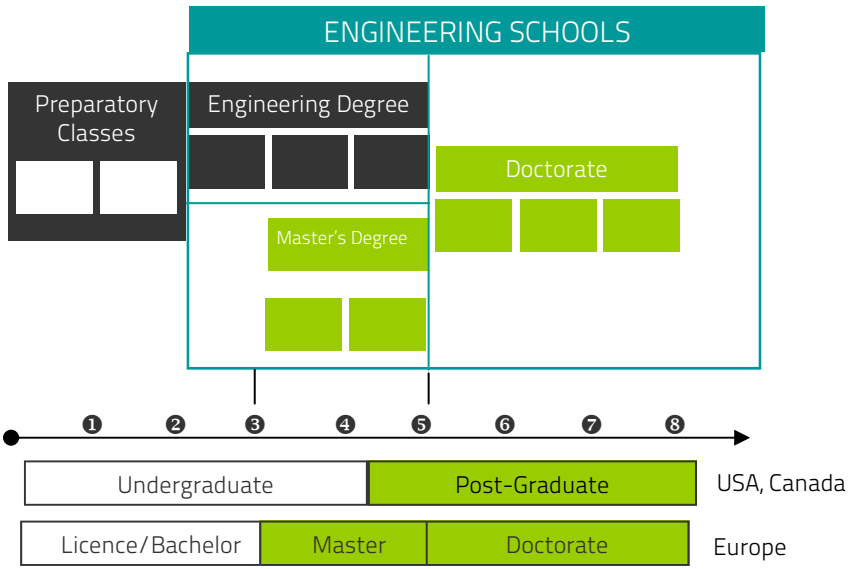
– MSc. programme (2 years, following BSc. Degree)
ECTS equivalence:180 (BSc.) + 120 (MSc.) = 300 ECTS

– PhD programme (3 years, following a MSc. Degree):
ECTS equivalence: 300 (MSc./Eng.) + 180 (PhD) = 480 ECTS

▪ Master of Science (MSc) is a world-renowned degree leading to scientific careers in research and industry.

▪ Graduate Engineering degrees are not as well known abroad but are the pinnacle of applied sciences in France. Graduate Engineering Schools, together with Business Schools, are called Grandes Ecoles. These small-size institutions (usually fewer than 500 students) prepare students for executive positions in the industry and economic centres.
Admission to Graduate Engineering Schools is preceded by a two-year intensive scientific preparation and a nationwide competition. The schools are attached to Research Centres for both fundamental and applied Sciences and have a strong connection with the industry to promote innovation.

▪ Doctorate (PhD) programme consists in developing a 3-year scientific project in a laboratory.



GRADUATE ENGINEERING DEGREE

Agricultural and Environmental Sciences Food Sciences and Biotechnology

▪ Preparatory Classes (2 years before ENSAIA):

– An intensive scientific preparation in mathematics, physics, biology Geared towards a nation-wide entrance examination to French Engineering Schools

▪ Engineering programmes (semesters S5-S6-S7-S8):

– Specialised courses in Life Sciences or Food Sciences completed with Engineering Sciences, Management, Humanities & Sport
– At least 2 foreign languages
– Several individual or team projects with professional partners, industrial visits & trade fairs
– 3 work placements (1, 3 and 6 months)
– Stays Abroad: Gap Semester or training period
–The Master of Engineering degree also gives access to a PhD programme in France

▪ Engineering Specialisations (semesters S9-S10):

– **Agri:**
  . Agriculture and Development of rural areas
  . Sustainable Development of Agricultural Production
  . Crop Protection
– **Food:**
  . Dairy Products and Quality Control
  . Food Formulation
  . Industrial Development
  . Supply Chain Management
  . Packaging
  . Innovation & Entrepreneurship
– **Environment:**
  . Environmental Sciences and Engineering
  . Sustainable Environment Engineering
– **Biotechnology:**
  . Biotechnology - Plant improvement
  . Biotechnology - Process engineering

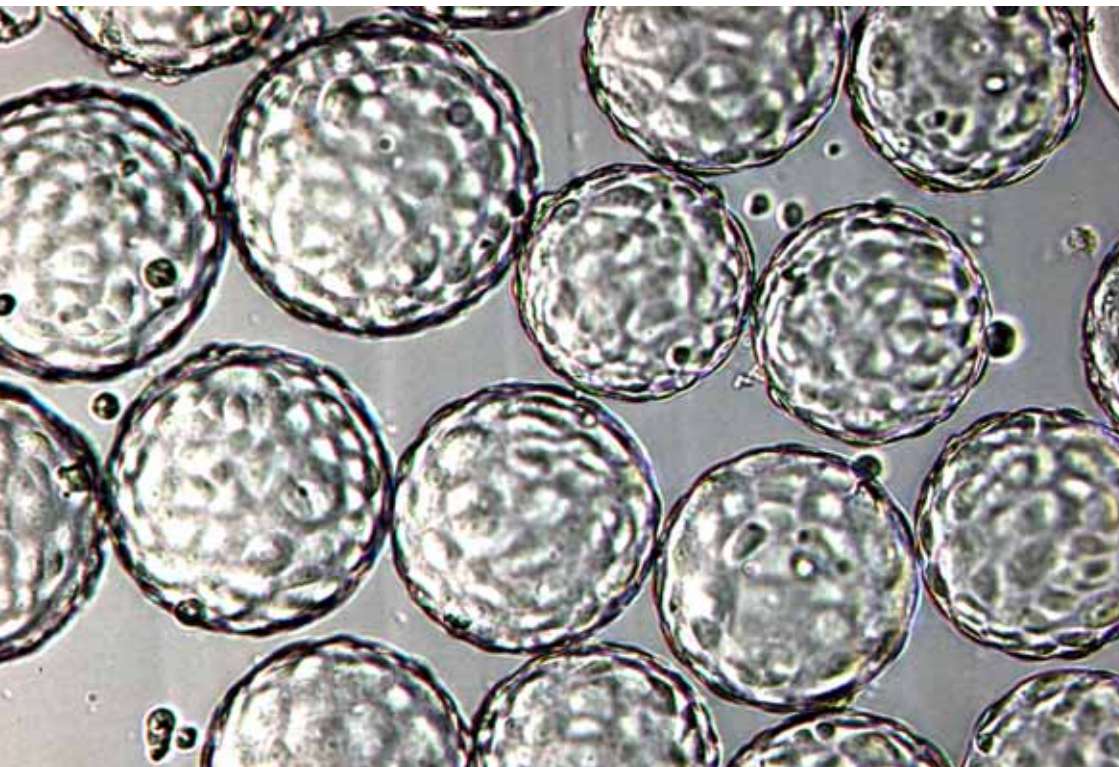
MASTER & PHD PROGRAMMES

Master Degree

– MSc. Degrees (with thesis):
. Food & Biotechnological Process Engineering
. Forestry, Agronomy
– MSc. Degrees (without thesis):
. Dairy Products,
. Food Safety and Management (with Universidad Politécnica de Valencia, University College Dublin)
. Sustainable Environment Engineering

PhD Degree

– Prepared in one of the 5 laboratories of ENSAIA
. Agricultural Sciences
. Environmental Sciences
. Food
. Biotechnological Process Engineering



DEGREE STUDENTS

- Engineering students: about 450h/semester (no elective courses but includes lectures, seminars, lab, projects and industrial visits) and practical training
- MSc. students: about 150h/semester (includes lectures, seminars, lab) and a research project
- PhD. students: a research project and about 40h/year as preparation for the professional environment (job interview, job search workshops)

EXCHANGE STUDENTS

Courses « à la carte »

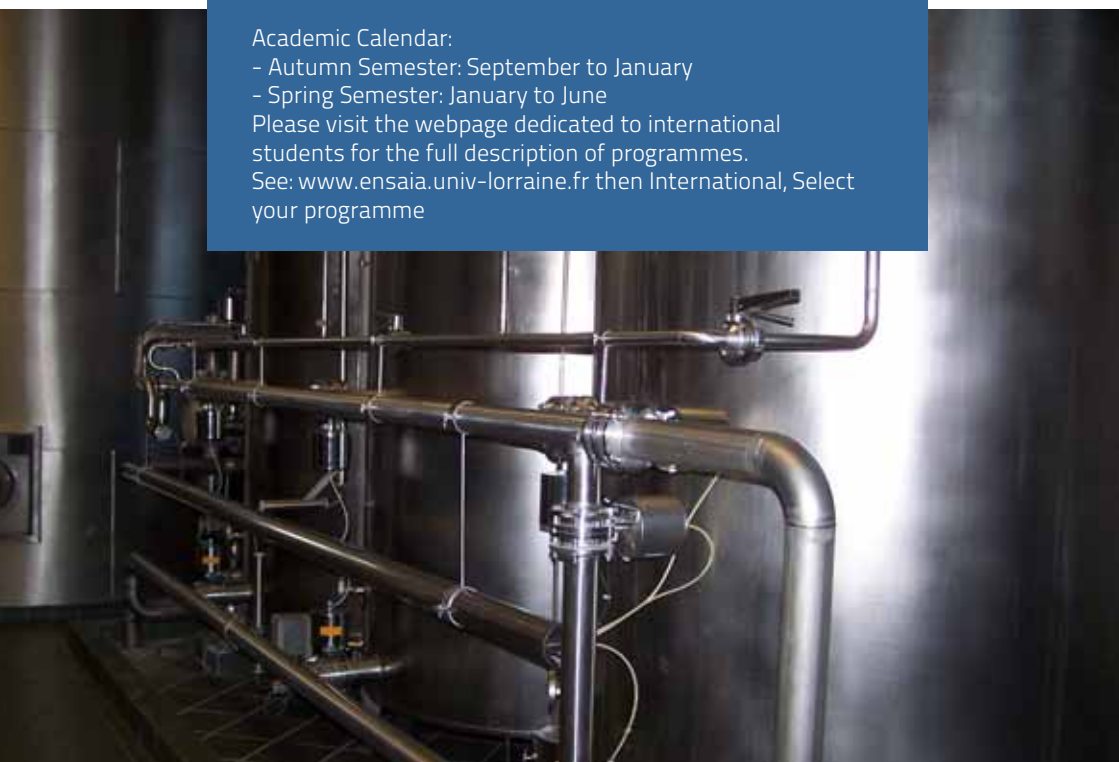
4 profiles are suggested:

– Introduction to Agricultural and Environmental Sciences
– Introduction to Food sciences and bioprocess engineering
– Specialisation (Final Graduate Engineering or Master courses)
– Lab placement to complete a BSc. or MSc. or PhD Thesis (for French or non-French speakers)

For an optimal academic and personal experience, we recommend taking a full semester of our programme, taking the same classes as our French students and joining in the school spirit.

Academic Calendar:
- Autumn Semester: September to January
- Spring Semester: January to June

Please visit the webpage dedicated to international students for the full description of programmes.
See: www.ensaia.univ-lorraine.fr then International, Select your programme



LANGUAGES

Most of the courses to ENSAIA are taught in French. English is one of the languages used for communicating in our laboratories.

- Admission at ENSAIA:

– Students are required to have a certificate proving that they have at least a B2 level certificate in the French language to be admitted to ENSAIA or they should apply through the n+i network (www.nplusi.com) for an intensive preparation to attain the French language requirements.

– Exchange students are required to have basic skills in French to make the most of their stay in Nancy

- French Courses:

– Intensive Courses are offered by the Lorraine-INP College in September
– French Courses are offered by ENSAIA during the Autumn Semester (October-February)
– Additional French courses are available at the Université de Lorraine (summer crash courses)

- Other languages:

– Graduate Engineering degree students are required to have 2 foreign language certificates to be awarded the ENSAIA Engineering Degree

RESEARCH

- Keywords:

– Food Engineering, Biotechnology, Functionalisation, Nutrition, Molecular Modelling, Industrial Process

– Plant Production, Animal Science, Environmental Engineering, Landscape Management

- 5 Laboratories: with 200 faculty members and technical staff
- Main Research Areas:

Production of active biomolecules using enzymes, bacteria, yeast and animal or plant cells is a first major research topic at ENSAIA. Laboratories work on biotechnology for molecule functionalisation or stabilization for either food, environmental or therapeutic applications. Traceability of molecules in the food chain from the farm to the table is a second major scientific area. Handling environmental issues (soil rehabilitation, sustainability of agricultural production, eco-technologies, methanisation) is our third major research area.

Facilities:
– 300 ha experimental farm (traceability center), green house, phytotron, methanisation
– Food technology hall, sensory analysis room
– Biotechnology facilities ranging from microplates to 80 L animal cell cytoreactor
– Analytical platform
– Numerical modeling platform (from molecular up to industrial process modeling)

LAB PLACEMENT AT ENSAIA

Students from a partner University may apply for a lab placement in one of our 5 laboratories. They will be registered as exchange students.

General Conditions:

– Projects offered in several scientific research areas and at various levels (BSc, MSc or PhD)
– No French skills required
– Duration: 5-6 months recommended
– Applications deadline: 3 months before the start of the school year (the July-August period to be avoided)
– No funding from the University but no tuition fees to the University (grants available through public or private institutions)
– Integration as student: students are issued a student card with benefits (accommodation, transport and library access)

For information about visas, students should contact the French immigration administration or the administration in their home country and visit : www.univ-lorraine.fr

Students from non-partner Universities

Contact your own International Office to find out about opportunity of initiating a new cooperation with ENSAIA. Otherwise, contact a local research laboratory to arrange for admission as co-worker.

ADMISSION FOR DEGREE STUDENTS

▪ Graduate Engineering Degree (deadline: in late April)

– For foreign students: admission on academic records, school file and interview

– Request Application forms from the Graduate Engineering Study Office: ensaia-scolarite@univ-lorraine.fr

– The tuition costs being covered by the French Ministry of Education (about €12,000/year) the registration and tuition fees for the student will not exceed €800/year (except for some international programmes).

Non-French speaking students should apply through the n+i network (www.nplusi.com)
Contact : ensaia-international@univ-lorraine.fr

▪ Master's Degree (deadline: in late April)

– 1st and 2nd year: admission on records

– Request Application forms from the Master Study Office

> **Food & Biotechnological Process Engineering**: master-spba-contact@univ-lorraine.fr

> **Dairy Products**: master-il-contact@univ-lorraine.fr

> **Food Safety and Management**: master-msa-contact@univ-lorraine.fr

> **Agricultural Sciences**: master-fage-contact@univ-lorraine.fr

> **Sustainable Development**: master-idd-contact@univ-lorraine.fr

▪ PhD Degree

Contact the head of the laboratory you wish to join.
Check the language and academic requirements on our website before applying.

ADMISSION FOR EXCHANGE STUDENTS

Exchange student must apply for an academic programme and/or a lab placement for a scientific project. Have your university (international programme coordinator) notify us about your participation in our exchange. You will then receive our Application Package.

Application files should include:
– Application form
– Learning Agreement or project description
– Resume
– Transcripts of records
– French Level certificate (requirements for lab placements are more flexible)

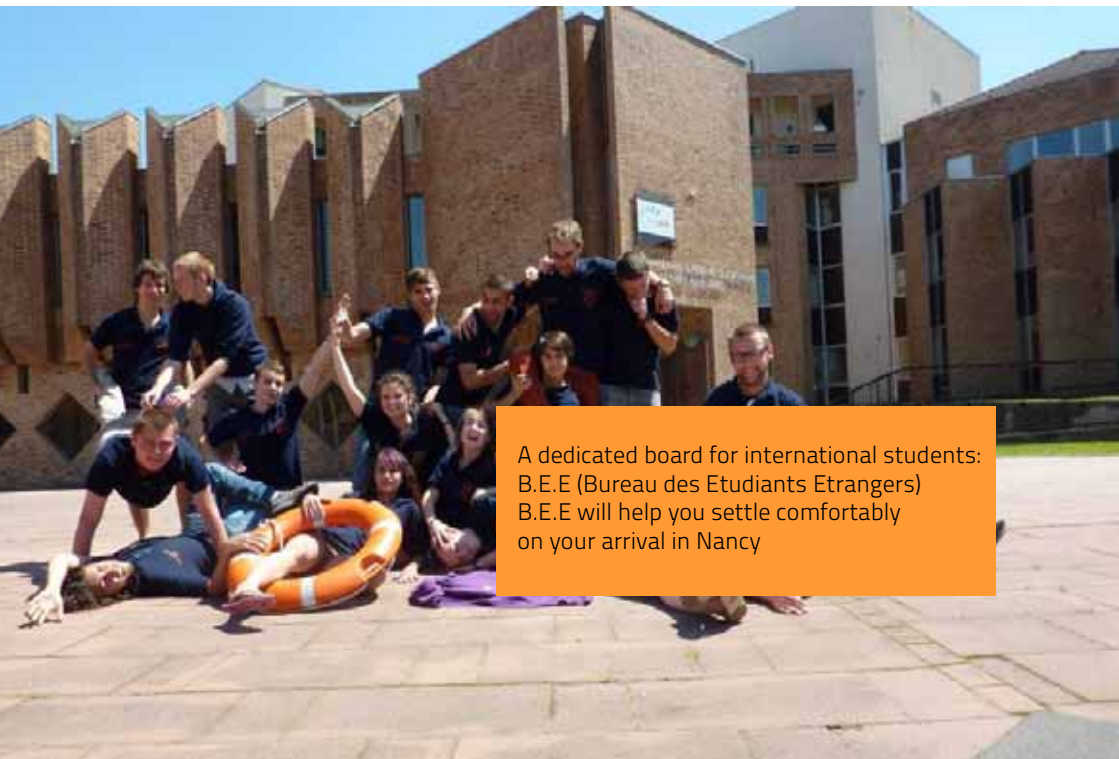
▪ Deadlines:
– 31 May for an exchange starting in Autumn Semester
– 31 October for an exchange starting in Spring Semester
– 3-month notice for a lab placement

No tuition fees for exchange students. Please check that your University is a partner of ENSAIA before applying.
Otherwise, contact your own International Office to find out about the opportunity of initiating a new cooperation with us.

STUDENT LIFE AT ENSAIA

▪ Student board activities :
– Events
– Sports
– Arts
– Parties
– Food Innovation contest
– Junior Enterprise
– International Student Associations
– Humanitarian Projects and Associations

▪ Events
– 24h student's race (major student event in Eastern France)
– Brewery week
– Gala night
– National Interschool sport competition
– Music Concert



A dedicated board for international students: B.E.E (Bureau des Etudiants Etrangers) B.E.E will help you settle comfortably on your arrival in Nancy

LIVING COSTS

CATEGORY	DESCRIPTION	ON CAMPUS OR STUDENT PRICES	IN TOWN AVERAGE PRICES
UNIVERSITY FEES	Tuition fees ■ Degree student (except for international programmes) ■ Exchange student ■ Registration Fees	 €400-800/year No fees €15/year	
FOOD AND MEALS	■ Full meal ■ Sandwich ■ Baguette ■ Soft-drink ■ Coffee	€3.10/unit €2 €0.90 €1-2 €0.50-1	€10-15/meal €3-4 €0.90 €2-3 €2-3
ACCOMMODATION	Type of accommodation ■ Residence Hall (CROUS) ■ Private housing Initial cost on arrival: current month + 1 to 2 months rent as desposit	 €150-300/month €400-500/month	
INSURANCE (COMPULSORY)	■ Housing insurance ■ Health insurance Exchange students (EU or Quebec) All other students (< 28 years old) ■ Public liability insurance	€30-60/year European Health Card or SE 401 Q - 106 form €220/year €15/year	
TRANSPORT*	■ Tramway/Bus in Nancy* ■ Train TGV Nancy-Paris**	€30/month €40-70/trip	€2/trip €40-100/trip
LEISURE & ENTERTAINMENT	Cinema, Disco	€10	

* www.reseau.stan.com
**www.sncf.com

CONTACT US

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Dean of Studies: Dr. F. Fournier ensaia-dir-etudes@univ-lorraine.fr	International Office ensaia-exchanges@univ-lorraine.fr
Graduate Engineering Study Office: ensaia-scolarite@univ-lorraine.fr	
Master's Administration Office: ▪ Food & Biotechnological Process Engineering: master-spba-contact@univ-lorraine.fr ▪ Dairy Products: master-il-contact@univ-lorraine.fr ▪ Food Safety and Management: master-msa-contact@univ-lorraine.fr ▪ Agricultural Sciences: master-fage-contact@univ-lorraine.fr ▪ Sustainable Development: master-idd-contact@univ-lorraine.fr	

HOW TO GET TO NANCY

Nancy is located between Paris and Strasbourg.

▪ Nearest airports

– Nancy-Metz - Paris
– Luxembourg - Bale/Basel
– Strasbourg - Frankfurt

▪ By train

– Using High Speed Train (TGV) of the French Railway (SNCF) between Paris and Nancy (90 min)

▪ By car

– A4 (Paris-Strasbourg) or A31 (Luxembourg- Nancy) motorways
Take Nancy by A31 then follow A33 direction Strasbourg up to Exit 2b: Nancy-Brabois

...TO ENSAIA IN NANCY

ENSAIA is in a nearby suburb, southwest of Nancy.

▪ By tramway

Line T1, Direction CHU-Brabois, Get off at Forêt de Haye (last but one stop)

▪ By car

Follow direction Vandoeuvre-lès-Nancy then Technopôle de Brabois

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2 avenue de la Forêt de Haye
TSA 40602
54 518 VANDOEUVRE-LES-NANCY Cedex
France

Tel : 33 383 59 58 51
Fax : 33 383 59 58 04
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