AG, FOOD & ENVIRONMENTAL ENGINEERING (i-SAFE)

Follow your studies in France 100% in ENGLISH

Agronomy & Agro-industry engineer
By joining the Ag, Food & Environmental Engineering (i-SAFE) programme, you will acquire key competencies and business experiences to deal with agriculture, food, and environment and “be the change that you wish to see in the world” (Mahatma Gandhi).

Besides, it guarantees you a 3D international experience with your classmates, in the course programme and through extensive learning and training abroad. On campus, you will join a vibrant student community where there are new and lasting friendships to be made. Rouen, a friendly city in the heart of Europe, and at the doorstep of many fascinating regions and countries, easy to explore.

Be sure that the entire educational community of UniLaSalle is mobilized to make the Ag, Food & Environmental Engineering programme a turning point in your life.

See you next September!

Marie LUMMERZHEIM
Dean of UniLaSalle
Rouen

1st and only engineering programme
in life sciences in France taught in English

A know-how about the agricultural, food and environmental questions with a focus on innovation and entrepreneurship

International track:
go abroad up to 24 months

4 languages taught with certifications: English, Spanish, German, Portuguese

260 partner universities in 82 countries

SKILLS BASED APPROACH

1 • Scientific & technical knowledge acquisition and mastery of their implementation

2 • The adaptation to the specific requirements of the company and society

3 • Taking into account the organisational, personal and cultural dimension

4 • Ability to think globally and act locally while considering the issues of sustainable development
## Study of living systems
- Climate and Earth envelope
- Cell biology
- Biodiversity systematic
- Soil sciences
- Genetics
- Physiology on living organisms
- Animal systematic
- Micro-organisms
- Immunology
- Physiology of living organism
- Agronomy
- Applied animal physiology
- Ecosystem: how does it work?
- Microbiology: mycology & virology
- Molecular biology
- Animal feeding
- Applied animal physiology
- Physics
- Biomolecules

## Entrepreneurship & innovation
- Methodology of work in engineering school
- Introduction to farming systems
- Duo day
- Sustainable development project study
- Sustainable engineer
- International farming systems
- Marketing approach french food
- Law and political sciences
- Personal project
- Company: organization and operations
- Environment, operations, farm analysis

## Food systems & quality
- Chemical kinetics
- Thermochemistry
- Metabolic biochemistry and enzymology
- Fluid mechanics
- Physical thermodynamics
- Atomistic & chemistry bounds
- Organic chemistry
- Physics

## Information systems & digital transformation
- Logic
- Integral calculus and differential equations
- One variable functions and limited development
- Descriptive statistics
- Engineer tools
- Database - SQL
- Linear algebra
- Inferential statistics
- Statistical test practices
- Descriptive statistics
- Probability
- Functions of several variables and optimization
- Algorithm and programming

## International trade & business administration
- Geopolitics
- Business operation
- General economy
- Political sciences and governance
- Accounting
- Account management
- Agricultural policy
- Rural sociology
- International agriculture
- Circular economy

## Social skills and self-building
- Innovate - Engage - Serve
- Professional project
- Personal development tools
- Cross-cultural studies
- Interculturality
- Ethics & social responsibility
- Languages (German, Spanish, Portuguese, English)
- Sport
- Weekly seminar

## 6-week internship
- In farm or food industry

## 1 week study trip
- Each semester (year 1&2)
- Discover Valencia, Parma, Barcelona and Brussels (included in tuition fees)

## 4-week experience
- Mission in a farm or food industry

## 1 > 2 > 3

## PURE AND APPLIED SCIENCES FOR SUSTAINABILITY

<table>
<thead>
<tr>
<th>60 ECTS/year</th>
<th>6-week internship</th>
<th>1 week study trip each semester (year 1&amp;2)</th>
<th>Mandatory semester abroad</th>
<th>4-week experience</th>
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<tbody>
<tr>
<td></td>
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<td></td>
<td>Go to one of our 228 partners all around the world</td>
<td>Mission in a farm or food industry</td>
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</table>
### Majors

<table>
<thead>
<tr>
<th>Prevention and health benefit</th>
<th>Ag. &amp; food data management</th>
<th>Urban ag. &amp; green cities</th>
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</thead>
<tbody>
<tr>
<td>Food quality R&amp;D</td>
<td>Agronomy</td>
<td>Agro-ecology, soil, water &amp; land management</td>
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<tr>
<td>Marketing &amp; sales</td>
<td>Livestock management</td>
<td>International trade</td>
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<tr>
<td>Consulting &amp; business administration</td>
<td>Food processes</td>
<td>Entrepreneurship &amp; innovation</td>
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<tr>
<td>Tropical ag. &amp; food</td>
<td>Plant breeding (Erasmus mundus)</td>
<td>French food &amp; Agribusiness</td>
</tr>
<tr>
<td>Sustainable management</td>
<td>Circular economy</td>
<td></td>
</tr>
<tr>
<td>International Agriculture &amp; Food Production</td>
<td>Biotechnologies &amp; sustainable agro-resources</td>
<td>Adaptive farming systems, land management &amp; biodiversities</td>
</tr>
</tbody>
</table>

### Student Study Trips
Discover, Brussels, Valencia and Parma
- **BRUSSELS**, discovering the European Union institutions
- **PARMA**, from fields/farms to plates
- **BARCELONA**, markets and imports
- **VALENCIA**: Ag & Food: oranges, rice, ham...

### Double Degree
29 double degrees with prestigious partner universities in France or abroad.
Full list here:

### Weekly Seminars
Be curious be aware!
Invited international speaker from research and private sector, chosen by students

### Innovative Pedagogy
- Small classes
- Learning by doing
- Learning by searching

### Technology for Sustainability
UniLaSalle is the cutting edge of technology, with its research platforms:
- AgriLab incubator
- Experimental farm
- Culinary lab
- Greenhouses
- Agro R Tech: structure dedicated to the valorisation of agro-resources and co-products in biosourced materials

### Admission
**Criteria:** Secondary school diploma French Baccalaureate or equivalent. Strong academic prerequisite background (specialisation in mathematics, physics or biology). Proficiency in English; equivalent B2; TOEIC iBT 600, TOEFL iBT 80, IELTS 6.0, Cambridge FCE. Students who have completed their previous education in English are exempted from this requirement.
**For an admission in 2nd or 3rd year:** we require a bachelor year 2 or year 3

### Application
**1st year:**
- French and EU candidates may apply on www.parcoursup.fr from late January to end of March (online application followed by an interview)
- Candidates from outside EU may apply on www.unilasalle.fr from November to May (application fees are free until 31st January)

**2nd and 3rd years:**
- Online application on www.unilasalle.fr followed by an interview
- 3 sessions: mid January / end of March / start of June

### Tuition Fees for 2022–2023
**EU students:** 7 850€/year
**Non EU students:** 10 250€/year

Scholarships available from 5% to 75% (merit and need-based) **NOTE:** Student study trips and double degree possibilities are included in the tuition fees.

**Average cost of living in Rouen: 650€/month**
LASALLE
largest worldwide network of education
www.lasalle.org

4000
STUDENTS

22 000
ALUMNI

A multicultural and multi-language campus with more than 30 nationalities (Zimbabwe, Mexico, China, USA, Lebanon, India...)

LASALLE

4 CAMPUSES

THEY EMPLOY OUR GRADUATES

FAO, WWF, AVSF, FAITRADE, OXFAM, NUTRISET, B CORP, DANONE, FERRERO, L’ORÉAL, CARREFOUR, CRÉDIT AGRICOLE, LIMAGRAIN, UNILEVER, VEOLIA, BONDUELLE, CARGILL, MOËT-HENNESSY...
AND MANY OTHERS

Uros RAKIC, 3rd Year Student
«This programme is thought in English. In the global environment we slowly approach it is a necessity. Secondly, one is not spending a full year in the classroom: study trips are a regular part of the course in the first two years. I am positively surprised by an innovative approach to class organisation and homework assignments. We are regularly expected to present our projects in front of the class. Approachable and flexible professors also play a significant role once the feedback is necessary!».

JANA KHALIL, 3rd Year Student
«The Ag, Food & Environmental Engineering programme offers a real opening to the international. In the globalized world in which we live, it is more than important to develop these perspectives and to work together to solve the major issues we all face. More than just a programme, it offers open-mindedness, values of sharing and above all curiosity towards the cultures and ways of thinking of all. It is extremely interesting to master fields such as agriculture, agronomy, sustainable development and even entrepreneurship on a French scale. However, it is an undeniable bonus to add international know-how, and techniques developed in the four corners of the world in order to have all the cards in hand to think about effective solutions».

Lucas ROBERT, 3rd Year Student
«I heard about the UniLasalle network which is very well known in France. The history, the diversity of training courses and the professional relations of the school make its strength and its recognition. Ag, Food & Environmental Engineering is a new training that, for me, formally meets the current needs in the field of engineering: diversity of cultures, experiences and knowledge».
OPEN DAYS
Set up a one on one online meeting!

CHOOSE FRANCE
Discover the french “way of life” and gastronomy. Learn French, the world’s most commonly spoken language by 2050

TRY NORMANDY
Normandy: Top region to visit (Lonely Planet 2018). Experience the vibrant city of Rouen, a safe city on a human scale with 43,000 students and 5,000 international students

STUDENTS LIFE
• Social event organized by student and the International Department (Gala, Team building day, touristic stay)
• Several student organizations on the campus (International club)

HEALTH & WELL-BEING
• Benefit from the excellent and free French healthcare system
• On campus psychological support team
• Disability friendly campus and personalized support
• University hospital within 15’

ACCOMMODATION
• Secured residences
• University residences
• Private rental accommodations or with families

INTERNATIONAL
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Cti - Etablissement d'enseignement supérieur d'excellence - La Salle University - Fesic - Agrocampus Normandie - Université Normandie - Région Normandie