LILLE

CHÂTEAUROUX

BORDEAUX

ROBOTICS AGRICULTURE CONSTRUCTION CIVIL ENGINEERING DATA SCIENCE QUALITY MANAGEMENT ARTIFICIAL INTELLIGENCE COMPUTER SCIENCE MECHATRONICS ENERGY TRANSITION AGRI-FOOD ELECTRONICS INDUSTRIAL PROCESSES ARCHITECTURE CYBERSECURITY DIGITAL HEALTH ENVIRONMENTAL SCIENCES CHEMISTRY SYSTEMS AND NETWORKS MECHANICAL ENGINEERING LANDSCAPE ENGINEERING WEB DEVELOPMENT LOGISTICS MARKETING & FINANCE CONNECTED DEVICES IOT ENTREPRENEURSHIP

PROGRAMMES IN ENGLISH

26-27

JUNIA.COM

JUNIA

UNDERGRADUATE PROGRAMME IN ENGLISH - SPECIALIZATION IN ENGINEERING

JUNIA's undergraduate programme is a foundation course of JUNIA's 5-year track engineering programme. This Undergraduate programme includes courses in science, humanities, and project management with the option to specialize in mechanical engineering and IT in the 2nd year.

5-year programme

Course content:

- Year 1: foundation course in science, humanities and project management
- Year 2: technical courses in engineering and IT
- Year 3: year abroad at a partner University OR stay in France at JUNIA (for a programme in French)
- Years 4 and 5: choose one of the JUNIA Master programmes in engineering computer science or electronics (in English or French)

Admission requirements

- IB (high school degree) or French baccalauréat specializing in mathematics, physics and any related scientific field,
- B2 level in English.

2026-2027 Tuition fees:

€8 500/year

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Cti Commission des titres d'ingénieur

MORE INFO

MASTER OF SCIENCE AND ENGINEERING IN INNOVATION AND MANAGEMENT IN THE FOOD INDUSTRY

Gain a solid scientific foundation in food biochemistry, microbiology, and nutrition, while building practical skills in quality management and bioprocesses. Through hands-on projects and internships, you'll be prepared for impactful roles across the entire food industry.

2-year programme

Course content:

- Biochemistry and Microbiology in food
- Quality Management and HACCP
- Food Chain
- Bioprocess
- Production Management
- Food Technology Project
- Ingredients
- Nutrition
- Sensory Evaluation
- Chemistry
- Microbiological Characterization of Food Products
- Humanities and management

The highlights of the programme

- 2 internships
- Projects supervised by professionals
- Study tours in Europe
- Lecturers from industries

Admission requirements

- Bachelor's Degree in Life Sciences (Agriculture, Food Science, Biology or any related field),
- B2 level in English.

2026-2027 Tuition fees :

€9 500/year

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MORE INFO

MASTER OF SCIENCE AND ENGINEERING IN SMART FARMING AND SUSTAINABLE AGRICULTURE

Deepen your understanding of sustainable agrifood chains through advanced courses in plant biotechnologies, biocontrol, and genetics. Develop practical skills in precision livestock farming, animal welfare, and production systems to address tomorrow's agricultural challenges. With hands-on learning and interdisciplinary training, you'll be ready to shape resilient, climate-aware farming solutions.

2-year programme

Course content:

- Food Chains
- Biocontrol
- Animal Welfare
- Plant Biotechnologies
- Precision Livestock Farming
- Agriculture and Climate Change
- Plant Breeding and Genetics
- Livestock Housing and Building Conception
- Livestock Production Systems
- Humanities and management

The highlights of the programme

- 2 internships
- Projects supervised by professionals
- Site visits and field trips

Admission requirements

- Bachelor's Degree in Life Sciences (Agriculture, Biology or any related f ield),
- B2 level in English.

2026-2027 Tuition fees:

€9 500/year

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MORE INFO

MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE AND POLLUTION MANAGEMENT

Build strong expertise in environmental protection through courses on pollution, ecotoxicology, and climate transition. Strengthen your technical skills in water and waste management, GIS, and soil ecology to address today's most pressing ecological challenges. Through practical learning in remediation and resource management, you'll be ready to design impactful, sustainable solutions for the planet.

2-year programme

Course content:

- Environmental pollution
- (Eco)Toxicology
- Green transition and climate change
- Waste water and drinking water treatment
- Water resource management
- Waste management
- GIS
- Soil ecology
- Environmental remediation

The highlights of the programme

- 2 internships
- Visiting professors from international partner universities
- Field trips and study tours in Europe
- Strong research component (PhD opportunities)

Admission requirements

- Bachelor's Degree in Life Sciences (Agriculture, Food Science, Biology or any related field),
- B2 level in English.

2026-2027 Tuition fees :

€9 500/year

LILLE

INSA INSTITUT NATIONAL DES SCIENCES APPLIQUÉES HAUTS-DE-FRANCE

Université Polytechnique HAUTS-DE-FRANCE

MORE INFO

MASTER OF SCIENCE IN SMART AND RESILIENT CITIES

Discover how to design sustainable, low-carbon cities through courses in urban innovation, green building, and smart mobility. Build practical skills in connected infrastructures and energy systems to shape tomorrow's resilient urban spaces.

2-year programme

Course content:

- Innovation and The City
- Green Building and New Spaces
- Environmental Urban Design
- Smart and Sustainable Mobility
- Communication and Corporated Tools
- Studio
- Smart Energy
- Connected City
- Major Urban Challenges
- Governance and New Business model for the city
- Low Carbon and Sustainable City

The highlights of the programme

- 2 internships
- Projects supervised by professionals
- Study tours in Europe

Admission requirements

- Bachelor's degree in architecture, civil engineering or Urban Planning,
- B2 level in English.

2026-2027 Tuition fees:

€9 500/year

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MORE INFO

MASTER OF SCIENCE AND ENGINEERING IN DATA AND ARTIFICIAL INTELLIGENCE

Develop cutting-edge skills in AI and Big Data through advanced machine learning, NLP, computer vision, and generative technologies. Strengthen your expertise in data analysis, cloud architecture, and model deployment, while gaining the technical and ethical foundations needed to drive innovation in tomorrow's digital landscape. In the second year, you'll tailor your path by choosing a specialization in either Big Data or Artificial Intelligence.

2-year programme

Course content, choose your track:

Artificial Intelligence:

- Artificial Intelligence and advanced machine learning
- Natural language processing
- Hardware artificial intelligence
- Generative artificial intelligence
- Reinforcement learning
- 3D Programming and virtual reality
- Data report and business intelligence
- Web technologies
- Computer vision

Big Data:

- Data report, visualization
- Advanced statistical analysis
- Automated model deployment for data analysis
- Operation research
- Advanced machine learning
- Blockchain
- Ethics and Jurisdiction
- IT risk and management
- Cloud and computing architecture
- Humanities and management

The highlights of the programme

- 2 internships
- Projects supervised by professionals

Admission requirements

- Bachelor's degree in Digital and Information technology, IT Engineering or any related fields,
- B2 level in English.

2026-2027 Tuition fees :

€9 500/year

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MORE INFO

MASTER OF SCIENCE AND ENGINEERING IN ELECTRONICS AND EMBEDDED SYSTEMS

Gain advanced expertise in embedded systems through hands-on work with microcontrollers, FPGA design, high-frequency electronics, and real-time computing. Explore microelectronics and nanotechnologies with courses in semiconductor physics, sensors, optoelectronics, and energy harvesting. In the second year, you'll personalize your path by choosing a specialization in either Embedded Electronics Systems or Microelectronics and Nanotechnologies, preparing you for tomorrow's smart and connected technologies.

2-year programme

Course content, choose your track:

Embedded electronics systems

- Microwave circuits
- Embedded electronics systems
- Digital programmable circuits - FPGA and VHDL
- Hands-on 32-bits ARM Microcontrolers
- Advanced digital signal processing
- Power electronics, wireless technologies and applications
- Mixed-signal integrated circuits for audio applications
- High-frequency electronics
- Real-time computing for embedded systems

Microelectronics and nanotechnologies

- Semiconductors physics and components
- Waves and Components (Labs)
- Sensors and actuators, mechanics, acoustics
- Microelectronics
- Wireless Technologies and Applications
- Optoelectronics
- Hardware / software interfacing
- Energy Harvesting
- Health applications
- Digital Microelectronics Circuits
- Humanities and management

The highlights of the programme

- 2 internships
- Projects supervised by professionals
- Strong research component (PhD opportunities)

Admission requirements

- Bachelor's degree in Digital and Information Technology, IT Engineering, Physics, Electronics or any related fields,
- B2 level in English.

2026-2027 Tuition fees:

€9 500/year

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MORE INFO

MASTER OF SCIENCE AND ENGINEERING IN INFORMATION SYSTEMS AND SOFTWARE ENGINEERING

Build strong skills in software engineering through web and mobile development, Java applications, object-oriented design, and quality-driven coding. Strengthen your technical expertise in networking, cloud architectures, databases, and AI fundamentals to create reliable, scalable digital solutions. In the second year, you'll tailor your path by choosing a specialization in either Cybersecurity or Software engineering.

2-year programme

Course content:

- Web technologies and mobile development
- Development of Applications and services in Java
- Object-oriented design
- Quality-driven software development
- Infrastructures for application deployment
- Introduction to artificial intelligence
- Linux script programming
- Basic and advanced networking
- Cloud computing and architecture
- Design and implementation of relational databases
- IT risk and management
- Humanities and management

The highlights of the programme

- 2 internships
- Projects supervised by professionals
- Visiting professors from international partner universities

Admission requirements

- Bachelor's degree in Digital and Information technology, IT Engineering or any related fields,
- B2 level in English.

2026-2027 Tuition fees :

€9 500/year

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FOR A SUSTAINABLE FUTURE

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