

GRADUATE PROGRAMME

INTAKE: **September**
CAMPUS: **Paris**
LANGUAGE: **English**



Excellence, impact and innovation in sustainability

Established
in Paris in

1919

4,000
students

+160

international
academic partners

350

teachers
and professional
lecturers

15,000
graduates

+800

corporate partners
and public
organizations

40+

students
associations

Established in 1919, ECE Engineering School in Paris excels in tech and digital education. Specializing in software development, network architecture, cybersecurity, data and AI, our educators use project-based pedagogy to enhance learning. As part of the OMNES Education Group, a top private institution in France, ECE leads in innovation and academic excellence.

Given the critical demand for adept professionals to address the challenges of climate change and energy transition, our MSc Sustainable Energy Futures programme provides comprehensive training. It equips students to take on key roles in sustainable energy and environmental preservation.

This programme not only imparts technical skills but also deepens understanding of sustainable energy's social, economic and policy dimensions. Through diverse coursework, students engage in cutting-edge research and gain practical experience in renewable energy, efficiency strategies and sustainable development.

CAREER OPPORTUNITIES

Upon completion of this programme, students will be professionals capable of meeting the needs of businesses, organizations and the public sector. They will be prepared for future careers as renewable energy project managers, consultants in energy efficiency and sustainable development, managers of smart energy networks, smart building project managers or embedded energy engineers.

WHY CHOOSE THIS PROGRAMME

> This master programme addresses the basics of home automation, building thermal dynamics, energy transformation and storage, prevention and management of industrial risks, smart grids and smart cities or waste management and water treatment. It also covers the energy markets, sustainable digital transformation and environmental and energy law.

- > Through conferences, site visits and projects, students meet with energy professionals, thus building their networks.
- > Courses are held on ECE's campus, centrally situated in Paris, near iconic landmarks such as the Eiffel Tower and the Seine River.
- > Students dive into sustainable energy, applying theoretical knowledge and discussing analyses with industry leaders.
- > Upon culmination of the programme, students may be conferred with a Bac+5 level diploma adorned with the prestigious MSc – Master of Science label accredited by the Conference of Grandes Écoles.
- > Students can obtain the international certificate of sustainability knowledge TASK™ (The Assessment of Sustainability Knowledge).

THE OBJECTIVES OF THE PROGRAMME

Our graduates will be able to:

- > Understand the challenges of climate change and energy transition.
- > Master energy technologies and systems.
- > Analyze the environmental impacts of human activities.
- > Develop sustainable solutions for energy production, distribution and consumption.
- > Manage complex energy and environmental projects.

SUSTAINABILITY CAMPUS LABEL DD&RS



The training programmes of the ECE Engineering School are certified by the "Sustainable Development & Social Responsibility" label awarded by the Ministries of Sustainable Development and Higher Education, the Conference of Grandes Écoles and the Conference of University Presidents, as well as being ranked first in France in the "UI Green Metric World University Rankings", a global benchmark in terms of commitment towards universities and major schools.



Programme structure

ENROLL OUR PROGRAMME



Applications from French or international students residing in France



Applications from international students residing outside France

The international admission procedure only applies to you if you are not a French national and live outside France

CERTIFICATION



YEAR 1

Semester 1 – 30 credits

Oil and Gas Industry
Applied Chemistry
Fossil Fuel Combustion
Renewable Energy I
Introduction to Energy Storage
Python Programming
Physics for Energy I
Thermal Machine
Energy Markets
Master Class, Team Management, Budget Management, French courses FLE, Multidisciplinary Team Project
One elective to choose: Marketing in Digital World or Machine Learning

Semester 2 – 30 credits

Sustainable Development
Electrotechnics and Power Electronics
Nuclear Energy
Renewable Energy II
Digitalisation O&M (Operation and Maintenance)
Physics for Energy II
Technologies for Smart
Development of Renewable Energy Projects
Individual Relationship Management, Corporate Management, Manager Ethic's, French courses FLE, Multidisciplinary Team Project
One elective to choose: Ethics of AI or International Business Practices

4-month internship (optional)

YEAR 2

Semester 3 – 30 credits

Nuclear Energy II
Environmental Impact Assessment
Water Treatment and Waste Management
Indoor PV
Responsible Digital Technology
Environmental and Energy Policy
Energy Storage Systems
Building Thermal Design
Decarbonization Technologies
Industrial Risk Management
Cybersecurity
Change Management, Workplace Health, Safety and Security, Job Interview Simulation, Research Writing, French courses FLE, Final Project
One elective to choose: Fundamentals of Supply Chain Management or Brand Strategy

Dissertation – 20 credits

6-month internship – 10 credits

TUITION FEES

- > 10,700 €/academic year¹ or 11,190 €/academic year².
- > An application fee is payable at the time of the application submission: 90 €¹ or 50 €².
- 1. For French or international students residing in France
- 2. For international students residing outside France

ENTRY REQUIREMENTS

- > A first-class undergraduate degree with honors in engineering, physics, chemistry, materials science, mathematics, economics, geography or related numerate disciplines.
- > English proficiency: the minimum score required is the upper intermediate B2 level, 4th level of English in the Common European Framework of Reference (CEFR).



A Corporate Social Responsibility policy to embody the commitments of OMNES Education. The societal challenges of the contemporary world require new skills, new responsibilities and new professions, which OMNES Education aims to provide to its student audience. With a resolutely humanistic and universalist approach, OMNES Education seeks to unlock the abilities and aspirations of each individual through an innovative and multidisciplinary study programme.

