



APPLICATION REQUIREMENTS AND DEADLINES

Applicants must hold or expect to hold an undergraduate degree in Engineering Science, Mechanical Engineering or Physics prior to the beginning of the program. In order to submit an application, applicants must also supply the following:

- Copies of degrees and transcripts of all previous higher education
- 2 academic references, at least 1 from your current institution
- Personal statement & CV or resume
- A minimum IELTS score of 6.5 or a TOEFL iBT score of 90 (please consult our website for information about exemptions)
- GRE scores are not required but will be considered if provided.

No paper copies are needed for the admission process. Applications are reviewed in rounds, 3 times a year. Applying early improves your chances.

The application deadlines for the Fall 2018 intake are:

- > **January 7, 2018**
- > **March 18, 2018**
- > **May 6, 2018**

Decisions will be released 4 to 6 weeks after each application deadline.

For more information, visit our website portail.polytechnique.edu/graduatedegree

or contact our admissions team at gadmissions@polytechnique.fr

FEES AND FINANCING

Application fee: 80 €

Tuition fees: 12,000 € per year

For information concerning financing and scholarships please consult our website:
<https://portail.polytechnique.edu/graduatedegree/steem>

ENERGY ENVIRONMENT: SCIENCE TECHNOLOGY AND MANAGEMENT

Gaining Expertise
in the Future of Energy



ABOUT THE GRADUATE DEGREE



Ecole Polytechnique's full-time graduate degree programs are industry oriented and combine state-of-the-art multidisciplinary education and in-depth scientific knowledge. These two-year programs, taught entirely in English, are designed for highly-qualified undergraduates with a strong quantitative background in Science, Engineering and Economics depending on the programme.

140 ECTS credits are achieved during the degree program, which results in an internationally recognized academic qualification.

Industry collaboration for real-world education

Now more than ever, employers favor graduates who can bring real-world experience and perspectives to their organization from day one. Our programs will help you:

- develop a broad understanding of your future professional industry,
- build your professional network,
- enhance your practical and soft skills,
- significantly increase your marketability to potential employers.

Academic courses are developed and delivered by world-class faculty from Ecole Polytechnique, associated Research Centers, national and international academic partners as well as by top-level industry professionals.

The Graduate degree programs also include company visits and conferences held by leading figures in business. Individual and team projects and the internships can be undertaken in collaboration with one of our many industrial partners, in France or abroad.

High-level research combined with innovation management know-how

In order to prepare you to take on leadership positions in technology-driven organizations, we think that you first need to understand the frontiers of technology and know-how to build bridges between research and the corporate world. You will learn to combine fundamental research, technology application and development, and innovation management.

Ecole Polytechnique's Research Center includes 22 world-class scientific departments in 8 major fields addressing today's most pressing social and technological challenges through interdisciplinary and cross-functional projects. Most of them are joint research units with the world-renowned French National Center for Scientific Research (CNRS). As part of your course, you will have the opportunity to work on cutting-edge research guided by some of the most distinguished faculty in the world.

Innovation, Management and Entrepreneurship

In addition to our laboratories, you will also have access to our Entrepreneur and Innovation center, a unique startup environment comprising an incubator, an accelerator, a prototyping area and diverse co-working spaces. This center allows us to offer our Graduate Degree students a curriculum that integrates science and engineering with leadership, innovation, entrepreneurship and core management concepts.

Career Services

Ecole Polytechnique provides careers advice and support throughout the program, ranging from helping you define your professional goals to making competitive job applications and excelling at interviews! Workshops on writing CVs, information sessions on job search strategy, networking events, and an annual job fair are among the many services that we offer.



ABOUT ECOLE POLYTECHNIQUE

Ecole Polytechnique upholds a tradition of excellence in multidisciplinary education covering applied sciences, humanities, languages and sports. It is a world renowned science and technology university, at which students benefit from a 5:1 student-teacher ratio. Our students receive tailored advice from faculty members for their personal development, career plans and future prospects.

Our campus is part of the Université Paris-Saclay scientific and economic cluster, where global business heavyweights who contend with disruption meet the research driving technological innovation. This combination results in a unique approach to professional training, accounting for Ecole Polytechnique's ranking among the world's 10 most attractive schools for employers, according to the QS Graduate Employability Rankings 2017.

ENERGY ENVIRONMENT: SCIENCE, TECHNOLOGY & MANAGEMENT

GAINING EXPERTISE IN THE FUTURE OF ENERGY



The Energy Environment: Science Technology and Management (STEEM) graduate degree program fosters real-world technical expertise at the intersection between environmental issues and the future of energy. In Ecole Polytechnique's grand tradition of multidisciplinary education, this professionally-oriented program provides in-depth understanding of the scientific, economic and industrial context of renewable energy and the environment.

The STEEM program combines management experience with first-class engineering and scientific training, making our graduates highly sought after. The numerous industrial and research partnerships within this degree program ensure students will be suited to meet the 21st century's energy and environmental challenges within a variety of sectors including industry, start-ups and public organizations. For photovoltaics you will take advantage of the new world major R&D institute IPVF close to the campus.

Courses include high-level scientific master classes taught by faculty from Ecole Polytechnique and our partner school ENSTA. The management component of coursework is taught by faculty from our partner HEC Paris, ranked by the Financial Times as the #2 business school in Europe. Students will also participate in company visits where leading figures from industry, research and regulatory bodies will provide further insight into the energy and environment landscape.

The STEEM program places an equal emphasis on in-class and hands-on learning. Both years of the degree start with comprehensive physics, engineering and management training, and end with a four-to-six month research or industrial internship.

Industry Partners

Each year, more than 20 scholarships are awarded to the best candidates by STEEM's industrial partners (including TOTAL, EDF, Schneider Electric, Saint Gobain, General Electric, RTE, etc.). Scholarships can either take the form of a partial or full tuition fee waiver, or a stipend covering part of living expenses. Students from Morocco can benefit from the specific agreement with IRESEN.

Program Structure

September Y

FUNDAMENTALS OF RENEWABLE ENERGIES

ENVIRONMENT IN THE ENERGY CONTEXT

MANAGEMENT

INTERNSHIP

September Y + 1

ENVIRONMENT IN THE ENERGY CONTEXT 1st TERM

RENEWABLE ENERGIES

VECTORS AND STORAGE OF ENERGY

MANAGEMENT AND ECONOMY

INTERNSHIP

JOB MARKER WORKSHOPS | MEETINGS WITH ALUMNI | NETWORKING EVENTS | CAREER FAIRS | CONFERENCES | ETC.

Find out more about the faculty, course syllabus, career outcomes and financial aid here:

<https://portail.polytechnique.edu/graduatedegree/steem>