



APPLICATION REQUIREMENTS AND DEADLINES

Applicants must hold or expect to hold an undergraduate degree in Science, Technology, Engineering or Mathematics, or a «Diplôme d'ingénieur» 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 gdadmissions@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/iot>

INTERNET OF THINGS INNOVATION AND MANAGEMENT

Trailblazing the Future of
Connected Objects



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.

INTERNET OF THINGS: INNOVATION AND MANAGEMENT PROGRAM

TRAILBLAZING THE FUTURE OF CONNECTED OBJECTS



As society becomes increasingly digitized, the data they generate enables new interactions and business models, with wide-reaching impacts on traditional economic systems and, even, social habits.

The Internet of Things: Innovation and Management (IoT-IM) Graduate Degree covers the wide-reaching impact of digitization and connected objects, on industry, business, technology and society. IoT-IM answers the growing demand for real expertise in connected objects among industry players, large and small and across large-scale networks.

Students benefit from the mentoring of engineers and scientists straddling the worlds of academia and industry and who are already working on the future of connectivity. Upon graduation, our students' combination of technical, scientific and industry knowledge make them competitive for jobs in the most cutting-edge IoT startups, leading technology companies and global research centers.

The IoT-IM Graduate Degree provides you with the necessary knowledge and expertise of the entire connected objects' ecosystem, from the electronics to economics of connected

objects. It is a complete program for future entrepreneurs, engineers and IT/IoT consultants with a passion for the internet of things, and the curiosity to investigate the many sectors that overlap within the field.

The IoT-IM Program offers two tracks around a common core: The Entrepreneurship Track and The Strategic Management Track. Both tracks include a hands-on projects, undertaken in small groups, parallel to your coursework.

The IoT-IM program is a uniquely comprehensive degree, based on six thematic pillars: Electronics, Communication and Software, Regulation, Economics, Society and Sociology. Over the course of two years, the program provides its students with an in-depth understanding of the IoT technologies and challenges.

Program Structure

Technical training takes place in professional environments, including world-class, on-campus, research facilities where many communication protocols used for smart grids were invented and at industry partner sites, as well as in collaboration with the Ecole Polytechnique Entrepreneur and Innovation center.

September Y		September Y + 1	
COMMON CORE		COMMON CORE	
TECHNOLOGICAL FUNDAMENTALS FOR THE IOT		DIGITAL SYSTEMS IN THE REAL WORLD: INTELLECTUAL PROPERTY AND TECHNOLOGY SUCCESS	
TECHNOLOGY IN THE SOCIETY			
ENTREPRENEURSHIP TRACK	Graduate Degree Project (Part I)	ENTREPRENEURSHIP TRACK	Graduate Degree Project (Part II)
ELECTRONICS, SENSORS AND TRANSDUCERS		RELIABLE AND SCALABLE SYSTEMS ENGINEERING	
STRATEGIC MANAGEMENT TRACK	Internship (March-July)	STRATEGIC MANAGEMENT TRACK	Internship (March-July)
TRANSFORMATIVE CORPORATE FINANCE AND BUSINESS MODELS		DIGITAL BUSINESS MODELS	
JOB MARKER WORKSHOPS MEETINGS WITH ALUMNI NETWORKING EVENTS CAREER FAIRS CONFERENCES ETC.			

Industry Partners

The professional orientation of the program is strengthened by the strong and mutual links with research and industrial partners, including EDF R&D and Cisco Systems, the latter of which also sponsors the Ecole Polytechnique "Internet of Everything" Chair.

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

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