

# International opportunities

## >> International Network

As a member of several networks including Ampere, N+i, Erasmus+, GE3, EAIE, APAIE, Brafitec, Arfitec, ENSEA has access to a large network of universities across the world.

*"I have enjoyed the fact of studying abroad and most of all of having been able to travel all over Europe from Paris. Moreover, this program allows us to transfer our credits which will be taken into account towards our American degree".  
(Rawan, Colorado School of Mines)*

## >> Welcoming international students

ENSEA attracts more than 30 foreign students each year through its agreements. ENSEA also has a program of Electrical and Computer Engineering courses taught in English during the Spring semester : FAME (French American Exchange program) open to American and English speaking international students in their junior year. 9 American partner universities have joined this program since 2008.

## >> Life in Cergy

### A University Town

ENSEA, together with 20 other higher education institutions, share the same diverse and multidisciplinary campus.

It offers a whole range of indoor and outdoor activities and facilities such as water sports on Cergy's lake, music festivals, concerts, cinema, theatres, swimming pools, tennis courts, a skating rink...

### Student Life

ENSEA hosts 38 student organizations and provides them with technical and financial support.

These organisations offer a wide range of opportunities for personal development, managerial and creative skills. Motivated students can take leadership positions in the Student Union or the student entrepreneurial organization.



### Housing

There are more than 12 student residences in Cergy. ENSEA can provide assistance for housing to all international exchange students thanks to an agreement signed with the Regional Student Facilities Center which manages most student halls.



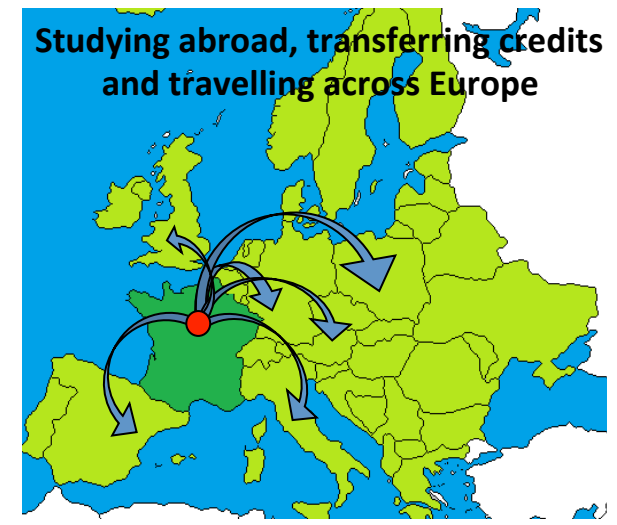
[www.ensea.fr](http://www.ensea.fr)

### ENSEA at a glance

- More than 6,000 alumni
- 30 km from Paris, gateway to Europe
- 800 students
- 40% of graduate students have an international experience
- 73 international agreements with 16 double degrees
- 38 student associations
- 90 tenured professors
- 180 visiting professors from industry and partner institutions
- 2 research laboratories
- 70 PhD and post-doctoral students
- 200 partner companies

## A French Graduate School in Electrical Engineering, Computer Science and Telecommunications

at Cergy, near Paris



## ■ Cutting-edge technologies

### >> Energy management, intelligent systems, eco-transport, information systems

ENSEA is a leading French Graduate School founded in 1952, and located in Cergy, west of Paris. It ranks 9<sup>th</sup> out of 220 French Engineering Schools and among the top 3 in Electronics.

Studying at ENSEA is choosing a top quality training in cutting-edge technologies recognised by international companies.

### >> Graduate specializations

#### ➤ Power Electronics and Control Systems

*Training in process control and automation related to industrial systems*

#### ➤ Electronics, Instrumentation and Biosciences

*Applying industrial measurements in biotechnologies and medical institutions*

#### ➤ Electronics, Communication and Microwaves

*Specializing in microwaves, antennas and optical communication*

#### ➤ Embedded Systems

*Designing a whole system with analog & digital electronics and adequate software*

#### ➤ Computer Science and Systems

*Managing advanced projects in parallel architecture or mobile systems*

#### ➤ Mechatronics and Complex Systems

*Specifying, modeling and analyzing a complex system using mechanics, electronics and computer science.*

#### ➤ Networks and Telecommunications

*Spreading reliable, efficient and secured networks using advanced techniques and coding.*

#### ➤ Multimedia Systems

*Processing signal, images and videos using real-time techniques.*

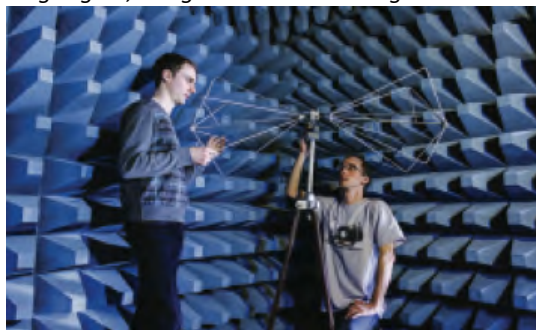
### >> Profile

- Strong technical and personal competence
- Global managerial skills
- Creativity, innovation and entrepreneurship



### >> Training

- Fundamentals of science
- Experience in the latest technical innovations through projects and electives
- Leadership development
- Language skills



## ■ Industry & Research

### >> Corporate partnerships

ENSEA has partnerships with major electronics companies and SMEs. Some of them are involved in our training orientation. Moreover, many experts come as visiting professors sharing their experience.



### >> Research teams

ENSEA hosts 2 research laboratories, both of which participate in national and international projects.

They are also involved in competitiveness hubs and have partnerships with major industrial companies. Benefiting from strong relations with international universities like King's College London, Cornell University, La Sapienza, TU Berlin, ENSEA welcomes students and researchers from all over the world.



### >> Internships

ENSEA has made it compulsory for its students to carry out two summer internships either in industry, or in a research lab, in France or abroad. A final year project (6 months) completes their training, allowing them to be ready to work.

### ETIS (CNRS, UMR 8051)

#### Information Processing and System Research Lab

- 46 professors, 10 post-graduate, 52 Ph.D. students.
- 4 axes : Multimedia Indexing and Data Integration – Information, Communication, Imaging – Architectures, Systems, Technologies for embedded reconfigurable units – Neurocybernetics

### ECS-Lab (MESR, EA-3649)

#### Electronics, Control of Systems Lab

- 16 professors, 8 Ph.D. students.
- 2 axes : Electronics Research Group – Control Research Group

