

A multidisciplinary French *Grande Ecole* of Engineering renowned for its specialized courses in:

### MARITIME ENGINEERING

Naval Architecture  
Offshore Resources  
Marine Renewable Energies  
Oceanography & Hydrography  
Autonomous Underwater Vehicles

### MECHANICS

Automotive Engineering  
Advanced Modeling of Materials and Structures  
Pyrotechnics & Propulsion

### ICT

Observation Systems & Artificial Intelligence  
Security & Digital Systems  
Autonomous robotics  
Electronics, Embedded Systems

### MANAGEMENT & ENGINEERING

ENSTA Bretagne trains engineers and experts for the most innovative sectors



## INTERNATIONAL STUDENTS

**90 agreements in 30 countries**

- A long tradition of hosting international students
- Increasing choice of courses taught in English
- Intensive French language course available
- Sports and cultural activities to facilitate integration

*Georgia Institute of Technology,  
Polytechnique Montréal,  
Australian Maritime College,  
Tongji University,  
Universidade Fed. de Rio de Janeiro,  
Politecnico di Milano...*



## ENSTA BRETAGNE CAMPUS

- Large and well-equipped campus
- Research center & business incubator
- 10 min from downtown Brest and seaside
- Includes student residence of 222 rooms

## BREST

- Port city, at the westernmost tip of France,
- An excellent quality of life
- A university city with 27,000 students including 2,500 foreign students



**Brest ranks 4<sup>th</sup> worldwide in Maritime Research**



Application deadline: April

Further information and contact:  
[www.ensta-bretagne.fr/en](http://www.ensta-bretagne.fr/en)

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French Graduate,  
Post-graduate,  
and Research Institute

# Become an Engineer



ICT  
MECHANICS  
HUMAN AND SOCIAL SCIENCES

## ABOUT ENSTA BRETAGNE

ENSTA Bretagne is a famous multidisciplinary French graduate and post-graduate engineering school and research institute (« Grande Ecole »).

The excellence of ENSTA Bretagne is fuelled by its privileged links with research centers and industries in the world, in the most innovative sectors: **maritime, defense, ICT, automotive, aeronautics, aerospace, energy...**

- based in Brest (Brittany) since 1819
- training top-level engineers
- a wide range of world-renowned programs
- numerous bilateral academic agreements in France and around the world
- conducting multidisciplinary research



**960 STUDENTS**  
including 850 MSc Students  
and 110 PhD Students

**5 000 GRADUATE ENGINEERS**

## RESEARCH

### Mechanics and Systems [ irdl.fr ]

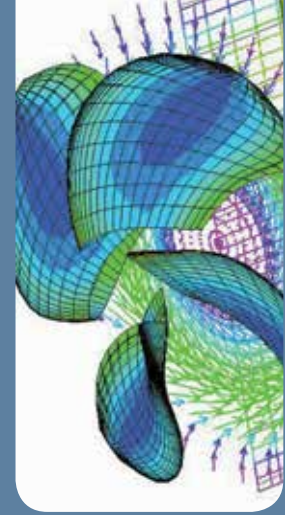
- Composites
- Assemblies
- Interaction and Structures
- Energetic Systems
- Durability

### ICT Department [ www.labsticc.fr ]

- Treatments Observation and Statistical Methods
- Perception, Robotics, Autonomous Systems
- Interaction of electromagnetic waves with the environment
- Hardware/Software Design Methodologies and Tools

### Human and Social Sciences [ fap.cnam.fr ]

- Training and professionalization for the Engineer



**50% of the PhDs and  
15% of the Students  
are international**

## >> BECOME AN ENGINEER

### MSc in Engineering program (*diplôme d'ingénieur*)

- A multi-disciplinary core curriculum, covering the major technological fields (Mathematics, ICT, Mechanics) and Human Sciences.
- 9 specialized courses: Naval & Offshore Architecture - Vehicle Architecture - Advanced Modeling of Materials and Structures - Pyrotechnic Systems - Hydrography & Oceanography - Observation Systems & Artificial Intelligence - Security & Digital Systems - Autonomous Robotics - Engineering & Business Science.

## >> BECOME AN EXPERT

### Master of Science (MSc)

- Electronic Systems & Software Design & Security
- Marine Engineering
- Hydrography
- Automotive Engineering
- Mobile Robotics

### Advanced Masters

- Marine Renewable Energies Expert
- Marine Engineering/Naval & Offshore Architecture
- Pyrotechnics & Propulsion
- Maritime Project Management

### PhD programs

irdl.fr

www.labsticc.fr

fap.cnam.fr

• Length of study:

• Entry requirements:

3 years

after a BSc degree  
or equivalent

2 years

after a BSc degree  
or equivalent

1 year

after a MSc degree  
or a BSc + professional  
experience