

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

• **MARITIME ENGINEERING**

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

• **MECHANICS**

Automotive Engineering  
Advanced Modeling for Materials and Structures  
Pyrotechnics and Propulsion

• **IT**

Observation Systems & Artificial Intelligence  
Security and Digital Systems  
Mobile robotics  
Electronics, Embedded Systems

• **MANAGEMENT & ENGINEERING**

ENSTA Bretagne trains engineers and experts for the most innovative sectors



**International students**

**88 agreements in 31 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,  
University of Rio de Janeiro,  
Politecnico di Milano...



**ENSTA Bretagne campus**

- Large and well-equipped campus
- 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 26,000 students including 1,700 foreign students.



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



Application deadline: **April 15<sup>th</sup>**  
Further information and contact:  
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French State Graduate,  
Post-graduate,  
and Research Institute

# Become an Engineer



IT  
Mechanics  
Human and social Sciences

## About ENSTA Bretagne

Founded in 1971, ENSTA Bretagne is a famous French State Graduate, Post-Graduate and Research Institute based in Brest.

The excellence of ENSTA Bretagne is fuelled by its privileged links with industries in the most innovative domains: offshore, naval, automotive, aeronautical, defense and IT.

ENSTA Bretagne aims to produce engineers capable of mastering the design of complex industrial systems in an international environment.

ENSTA Bretagne has merged with ENSTA Paris-Tech to form a cluster of excellence in the field of engineering.

## Research

### Mechanics and Systems [ irdl.fr ]

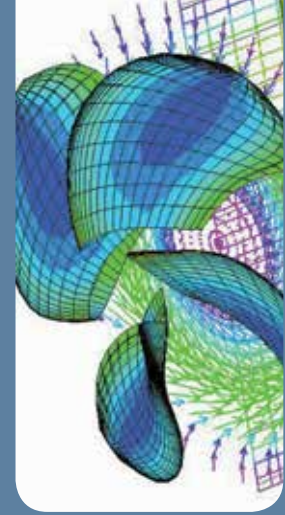
- Composites
- Assemblies
- Interaction and Structures
- Energetic Systems
- Durability

### IT 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 [ crf.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, IT, Mechanics) and Human Sciences.
- Specialized courses: Naval & Offshore Architecture - Vehicle Design - Advanced modelisation for materials and structures - Pyrotechnics - Oceanography & Hydrography - Observation Systems & Artificial Intelligence - Security and Digital Systems - Autonomous robotics - Management.

• Length of study:

• Entry requirements:

3 years

after a BSc degree or equivalent

or 2 years

after a 4-year university level

## Become an Expert

### Master of Science (MSc)

- Architecture and Security of Software and Electronic Systems
- Maritime Engineering
- Hydrography
- Automotive Engineering
- Mobile robotics

2 years

after a BSc degree or equivalent

### Advanced Masters

- Renewable Marine Energies Expert
- Marine Engineering
- Sensors, Geolocation and Navigation
- Pyrotechnics/Propulsion
- Management of Maritime projects

1 year

after a MSc degree or a BSc + professional experience

**950 Students**

including 840 MSc Students  
and 110 PhD Students

**5 000 Graduate Engineers**