ENIB AT A GLANCE

A member of the French national Engineering Schools (EnIs), ENIB delivers professional training for generalist engineers in the fields of ICTS (electronics and computer sciences) and mechatronics.

- 4,700 professional engineers trained at ENIB
- 770 students (14% international)
- 120 staff members
- 50 lecturer-researchers
- 16,000 m² campus with 4 buildings

EDUCATIONAL PROGRAM

ENIB ENGINEERING DEGREE

- Master Degree Level: 300 ECTS*
- Year 5: S9, S10
- Year 4: S7, S8
- Year 3: S5, S6
- Year 2: S3, S4
- Year 1: S1, S2

BACHELOR DEGREE LEVEL: 180 ECTS*

- Year 3: S3, S4
- Year 2: S1, S2
- Year 1: S1, S2

HOW TEACHING IS ORGANIZED OVER THE 5-YEAR PROGRAM (10 SEMESTERS)

- 27% Internships
- 20% Economic & Social Sciences
- 15% Maths-Physics
- 8% Engineering Sciences
  - Electronics
  - Computer Sciences
  - Mechatronics
- 30% Engineering Sciences
  - Electronics
  - Computer Sciences
  - Mechatronics

KEY SUBJECTS OF THE ENGINEERING EDUCATIONAL PROGRAM

- Digital Communications and Optical Transmissions
- System-On-Chip Design
- Radio Frequency Communication Systems
- Signal and Image Processing
- Interactive Application Design
- Artificial Intelligence and Simulation
- Information Systems Development Methodology
- Virtual Reality and Virtual Environments
- Robotics Modelling and Autonomous Robotics
- Control Systems
- Vibration Mechanics and Finite Elements
- Advanced Materials and Design
**PROFESSIONAL EXPERIENCE PROGRAM**

- 15 months of internships spread over 5 years, during inter-semester 2 and semesters 7, 8 and 10
  - initial internship
  - technician internship
  - assistant engineer internship
  - engineer internship
- 1300 industrial partners VSBs, SMEs, major groups etc. in France, Europe and worldwide

- The final year (semesters S9 and S10) may be carried out as a training contract (a work-study program involving an employment contract with a company)

**INTERNATIONAL STUDENTS**

(EXAMPLE OF A FLEXIBLE COURSE PATH - DUAL DEGREE)

- Admission requirements
  - Selection by home university for this program
  - B2 level in French

All courses are taught in French / Projects may be supervised in English

<table>
<thead>
<tr>
<th>TOTAL 120 ECTS</th>
<th>120 ECTS</th>
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<tbody>
<tr>
<td>SEMESTRE 10 : ENGINEERING INTERNSHIP IN A PROFESSIONAL ENVIRONMENT (32 ECTS)</td>
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<tr>
<td>Industrial work placement (20 à 25 weeks)</td>
<td>32 ECTS*</td>
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<tr>
<td>SEMESTRE 9 : ACADEMIC SEMESTER (28 ECTS)</td>
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<tr>
<td>3 technical modules to choose (out of 15)</td>
<td>18 ECTS*</td>
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<tr>
<td>Product Design</td>
<td>2 ECTS*</td>
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<tr>
<td>French as a foreign language</td>
<td>2 ECTS*</td>
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<tr>
<td>Project (electronics, computer sciences or mechatronics)</td>
<td>6 ECTS*</td>
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<tr>
<td>SEMESTRE 7 : ACADEMIC SEMESTER (30 ECTS)</td>
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<tr>
<td>English (compulsory)</td>
<td>2 ECTS*</td>
</tr>
<tr>
<td>3 technical modules</td>
<td>18 ECTS*</td>
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<tr>
<td>1 technical module to choose (out of 6)</td>
<td>6 ECTS*</td>
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<tr>
<td>French as a Foreign Language</td>
<td>2 ECTS*</td>
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<tr>
<td>Management</td>
<td>2 ECTS*</td>
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<tr>
<td>SEMESTRE 8 : ACADEMIC INTEGRATION (30 ECTS)</td>
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<tr>
<td>Assistant Engineer-Level project</td>
<td>12 ECTS*</td>
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<tr>
<td>French as a Foreign Language</td>
<td>2 ECTS*</td>
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<tr>
<td>2 modules : Object-oriented programming &amp; Microprocessors</td>
<td>4 ECTS*</td>
</tr>
<tr>
<td>Economic and Social Sciences</td>
<td>12 ECTS*</td>
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**INTERNATIONAL**

- +70 academic partners
- Flexible curriculums (projects, French as a foreign language) are available to international students in semesters S7 to S10
- +15 dual-degrees
BREST NATIONAL SCHOOL OF ENGINEERING

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MORE INFORMATIONS
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