

# ENGINEERING SCIENCE

International Bachelor  
Degree Programme  
Major

## Programme factsheet

### ACADEMIC COOPERATION

**Partners of the University of Bordeaux including:**

- › **USA:** University of California, Northern Arizona University.
- › **Canada:** University of Montréal.
- › **Europe:** University of Lund, Sweden.

### LEVEL

Bachelor Degree.

### PROGRAMME DURATION

3 years (180 ECTS).

### ADMISSION REQUIREMENTS

- › Students are selected based on their scientific and linguistic skills.
- › All applicants must have a strong academic record as well as good spoken and written skills in English and French.

### FEES AND SCHOLARSHIPS

Annual tuition fees for EU and EEA students:

- › **Bachelor Degree: 178€**

For students coming from outside the EU/EEA and more information concerning tuition fees, please consult our website ([www.u-bordeaux.fr/en/tuition-fees](http://www.u-bordeaux.fr/en/tuition-fees))

## Programme outline

The International Bachelor Degree Programme is an enhanced programme based on the existing scientific curriculum at the University of Bordeaux.

Scientific courses are given in English, students partake in an obligatory international mobility period and a choice of a minor degree programme is offered:

- › Biology
- › Biosourcing
- › Computer Science
- › Epistemology
- › Mathematics

## Programme structure

### Semester 1 & 2

- › Acquisition of general knowledge in the field.

### Semester 3

- › Main topics are Mathematics, Physics and Engineering

### Semester 4

- › Main topics for the Mechanics track are Material Science and Fluid Mechanics, CAD and Forming, Quantum Mechanics, with sub-topics Mechanics and Energy, Civil Engineering, Mechanical Machining and Bonds.
- › Main topics for the Electronics track are Digital and Analog Electronics, Electric Energy, Computer and Embedded Programming, Process Control

### Semester 5 & 6

- › International mobility period.



## Strengths



At least one scientific course per semester in English.



A complementary minor course online (mostly in English).



Transversal teaching in Artificial Intelligence (in English).



Optional modules on inter-cultural competencies.



International activities (meetings with international researchers and students).



One semester or one year abroad in another university among the partners of the University of Bordeaux.

## → And after?

- › With this degree, students may apply for international Master programmes (Msc) in Science and Technology, in particular those offered by the University of Bordeaux.

## How to apply?

Students who have passed the "baccalauréat" (French equivalent of the High School diploma / A-levels) may apply to the International Bachelor Degree Programme.

A total of 12 students are admitted to the six major subjects. Selection is carried out according to school results as well as a cover letter.

- › This selection procedure does not replace the "Post-baccalauréat" application procedure (Parcoursup).

## Contact

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