The ENSEIRB-MATMECA Mathematics and Mechanics programme allows students to master advanced theoretical and numerical modelling and simulation techniques for digital mechanics of fluids and solids.

**COURSES**

**1ST AND 2ND YEAR (UNDERGRADUATE)**

- Mechanics of solids
- Mechanics of fluids
- Mechanics of materials
- Mathematics and digital methods
- Software tools for scientific computing
- Study and research work
- Programming
- Engineering languages and culture

**SPECIALISATIONS**

**3RD YEAR (MASTER)**

- Advanced Modelling of Materials and structures (ENG)
- Fluids and energetics
- High-performance computing for mechanics

**Student testimonial**

The Mathematics and Mechanics programme prepared me for the professional world by providing me with comprehensive theoretical training, supplemented by work on many projects and real-life applications sought after by companies and laboratories. These assets allowed me to work at Renault for my final project and to continue my work with the company to pursue a CIFRE PhD.

_Lalaina_

**EMPLOYMENT PROSPECTS: 1ST JOB**

€40,420 gross annual
Starting salary (Class of 2022)

- Aeronautics, automotive and space industries
- Information technologies
- Teaching, research
- Studies, consulting
- Financial institutions, banks, insurance
- Energy
- Other