Master’s Programme
Chemistry and Physical Engineering

ENSCBP trains engineers specialised in Chemistry and Physical Engineering who go on to occupy important positions in a wide range of sectors such as chemicals, the environment, energy, automotive, aeronautics, pharmaceuticals etc.

# research & development / innovation / renewable energies / green chemistry / materials / quality / eco-design / management

1st AND 2nd YEAR

- Companies, careers & cultures
- Physical and analytical chemistry
- Engineering sciences and techniques
- Physics
- Molecular chemistry and polymers
- Inorganic chemistry and materials
- Toxicology

PROJECTS - EXAMPLE

Imagine and develop an innovative project

- Composite wood decking boards
- Nail varnish that can be removed without solvents
- Internal thermal protection for a prototype rocket

2 long internships (5 and 6 months) in a company, in France or abroad

SPECIALISATIONS

- Chemistry and bioengineering
- Design and production in industry
- Factory of the future: advanced materials and processes
- Polymer engineering and formulation
- Lipids and industrial applications
- Engineer entrepreneur for innovative projects
- QSE integrated management and sustainable development
- Nano and microtechnologies
- Energy storage and conversion

3RD YEAR

Choice between:

OPENNESS MODULES:

- Aromas, flavours and fragrances: from food industry to perfumery
- Red card! Innovations for recreational physical activities
- Designing an innovative object
- Workplace health and ergonomics
- Marketing and purchasing
- Research Master’s
- Sciences, techniques, communication and ethics

In partnership with

1 ENSTBB – Bordeaux INP
2 Bordeaux INP
3 Kedge
4 University of Bordeaux
5 Bordeaux School of Art

In English
Why choose a Graduate School?

- Small classes: 90 students per graduating class in CGP/600 total in the school
- Selective admissions
- Adapted teaching methods
- Close ties with industry
- High scientific level with engineering programmes supported by research laboratories
- International mobility opportunities
- Active alumni network

Programme calendar

Students may enrol in the programme after completing 2 years of post-secondary studies.

Our graduates work primarily in the following industries: chemicals, environment, energy, transports (aeronautics, automotive industry etc.). They may also be recruited to work in industries such as cosmetics, pharmaceutical, agri-food, water and waste management.

Dual degree and mobility programmes

Read about our dual degree and mobility opportunities on ensxbp.bordeaux-inp.fr