An engineer committed to the ecological transition and tomorrow’s industry
GIVE ENGINEERING A FRENCH TOUCH!

20 engineering programs
11 joint research centers
140 partnerships worldwide

ENSC
Cognitics

ENSCBP
Chemistry, Biology, Physics, Food Science, Materials

ENSEGID
Environment, Geological resources, Water resources

ENSEIRB-MATMECA
Electronics, Computer Science, Telecommunications, Mathematics & Mechanics

ENSPIMA
Industrial Performance, Aeronautical Maintenance

ENSTBB
Biotechnology

ENSIGNI
Energetics, Chemical engineering

ENSI Poitiers
Water engineering, Civil engineering, Energy

ISA BTP
Civil engineering

La Prépa des INP
Preparatory course of the Groupe INP

*Groupe Bordeaux INP Nouvelle-Aquitaine
**with the university de Bordeaux, Bordeaux Montaigne University, CNRS, INRA & Arts et Métiers ParisTech

bordeaux-inp.fr
Choosing the ENSGTI means choosing a career at the very heart of environmental transition challenges and choosing to play a significant part in the future and essential transformations our society will go through.

The ENSGTI trains engineers-to-be in different fields: energy, sustainable industry (air, water treatment...), process industry (chemical and parachemical industries, cosmetic and pharmaceutical industries...)

The ENSGTI offers a multidisciplinary training and a teaching which, beyond their scientific and technical aspects, incorporate economic, legal and moral dimensions.

Thanks to practical work, internship, project-based learning and civic commitment, we train our students to become skilled, involved and responsible engineers.

Joining the ENSGTI, you will enter a true international dimension by making the most of rich exchanges within multicultural groups and benefiting from internships or study terms abroad.

Moreover, the ENSGTI relies on a strong network of industrial partners, whether local, national or international. This closeness with the socio-economic world, coupled with trainings adapted to our partners’ expectations, ensure a quick professional integration to our graduates (the average time to find a job is less than a month).

The ENSGTI will offer you everything you can expect from a “Grande Ecole”, in terms of infrastructures, training and job prospects, along with a magnificent setting: very close to the Atlantic Ocean and the Pyrenees, Pau is a sports and culture-oriented city which will help make your three-year training a unique experience!

For more than 20 years, the ENSGTI educational team has been training engineers able to face major societal challenges.

The interdisciplinary 3-year engineering program enables each student to develop their own professional project. The “process engineering” and “energy engineering” specialities lead to a wide range of professions, from process control to environmental resource management of an industrial unit as well as new energies.

Close to the Pyrenees, just a stone’s throw from the Atlantic Ocean, discover the ENSGTI, a public engineering school and a great place to learn and discover your future job as an engineer.

The training provided by the ENSGTI is accredited by the CTI (Commission des Titres d’Ingénieurs).
### Common courses

**GENERAL SCIENTIFIC SKILLS**
- Mathematics, Computer Science, Transfers, Mechanics, Thermodynamics and Balance

**LANGUAGES, SOCIAL SCIENCES**
- English, Spanish, German, Professional Project, Public Relations, Management, Cost Analysis, Marketing, Human Resource Management

### SPECIALITIES

**PROCESS ENGINEERING**
- Safety
- Unit operations
- Modeling, Process simulation
- Treatment process (gas, water, waste)
- Reactor engineering, chemistry

**ENERGY ENGINEERING**
- Industrial combustion
- Energy management and efficiency
- Air conditioning and treatment
- Rational use of energy
- Industrial engineering simulation

### Focus on

**Master of Business Administration (MBA)**
« Take management courses in addition to your engineering studies »

### For further information about the training programme
visit :
ensgti.univ-pau.fr

### Training Schedule

- **1st year**
  - Sept: 800 hours-course
  - Oct: Common course: 680 h, Speciality: 120 h
  - 1 month: «Operator» work placement

- **2nd year**
  - Sept: 800 hours-course
  - Oct: Common course: 360 h, Speciality: 440 h
  - 4 months: Engineer work placement

- **3rd year**
  - Sept: 400 hours-course
  - Oct: Common course: 100 h, Speciality: 300 h
  - 6 months: Specialised engineer work placement

*In 3rd year, 50% of the training is provided by professionals.*
The ENSGTI is part of the n+i and FGL networks.

Located in Pau, the ENSGTI benefits from a privileged geographical position for student cross-border mobility with Spanish universities (Madrid, Barcelona, Cadiz, Saragossa, Tarragona etc.). Each year, the School organises exchange programmes with about twenty European universities within the framework of the Erasmus programme, but also with non-European universities such as Quebec universities (Université de Montréal or Université du Québec in Trois-Rivières), or Australian universities (University of Wollongong).

A real policy of international openness

Get ready to evolve in a multicultural environment
Process engineer

Tasks

- Optimising the functioning of physico-chemical or biological transformations, in compliance with the reliability, safety and environmental protection rules.

- Managing the organisational, economic, human, financial and technical aspects in the process engineering main fields of action: chemical industry, oil industry, food-processing industry and so forth.

Professional integration

- 2 SPECIALISATIONS IN 3rd YEAR
  - Computer-aided process design
  - Environment process

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Sectors of activity

- Pharmaceuticals: 7%
- Food-processing industry: 8%
- R&D: 4%
- Design Services: 10%
- Transports, Metallurgy: 12%
- Chemical and parachemical industry: 16%
- Eco-industry: 16%
- Energy: 29%

Professions

- 15%
- 20%
- 36%
- 16%
- 16%
- 7%
- 7%
- 6%
- 4%
- 4%

Average starting salary: 41,700 €
Understanding and knowing the main concepts related to heat transfer and knowing how to use them to formulate and solve a wide variety of thermal problems.

Managing the organisational, economic, human, financial and technical aspects in the main fields of action of energy production and management in the construction sector or in the industry sector.

Professional integration

- Energy
  - 46%
- Design services
  - 22%
- Construction industry
  - 17%
- Transports, Metallurgy
  - 12%
- R&D
  - 3%

2 SPECIALISATIONS IN 3rd YEAR
- Smart Building
- Industrial Energy Engineering

88% CDI

1 month average time to find a 1st job
The conseil d’École (School board) is made up of one third of industrialists from renowned companies:

- ENedis
- ENGIE
- Arkema
- Terëga

Active participation in networks of grandes écoles

A training built upon research

The LaTEP is the laboratory attached to the school. Of course, its scientific fields of research revolve around two of the ENSGTI specialities:
- Energy Engineering
- Process and Environmental Engineering

Key aspects of the LaTEP

- 23 lecturers and researchers, 18 PhD students
- 1.1 million euros in research contracts (TOTAL, BRGM, ALSTOM, ARAMCO, AREVA, FONROCHE...)
- Strong involvement in national and international research programmes: European programme ANR, AMI, ADEME, member of the Isifor Carnot institute, ITE INEF4 and GIS GEODERGIES.
KEY FIGURES of the ENSGTI ...

6 000m² in the service of education

601€ School fees (+CVEC : 90€)

50 lecturers and researchers + staff

60 contract teachers (mainly industrial participants)

300 engineering students

Our website ensgti.univ-pau.fr

join us on social media

ensgti.univ-pau.fr
A fulfilling student life

The BDE (Student Council)
It welcomes you and brilliantly organises parties, the newcomers' orientation weekends and the 3rd-year students' disintegration weekends. It also coordinates the associations that will enable you to shine.

Humanitarian and volunteer work
- each year, a sports tournament is organised for the benefit of the Telethon
- involvement in the «Parcours jeunes» programme which helps secondary-school pupils from underprivileged background

Sports
The programme includes football and rugby (for male and female!), handball, volleyball, badminton... and a lot more! The Sports Council and its very active Mountain club will introduce you to other activities such as skiing, hiking, climbing and so on.

Music
If you play a musical instrument (guitar, bass guitar, drums...) come and let your talent shines at the music club!

GT Process
The «Junior Création» of the School enables students to take a first step towards the entrepreneurial mindset.
Nouvelle-Aquitaine
An attractive region

NOUVELLE-AQUITAINE
+ 200 000 STUDENTS
11 COMPETITIVENESS CLUSTERS

TOP-RANKED RÉGION IN FRANCE FOR RESEARCH AND DEVELOPMENT
3rd ECONOMIC RÉGION IN FRANCE

5th RÉGION IN FRANCE FOR BUSINESS CREATION

PAU
TOP-RANKED medium town IN FRANCE for quality of life