



Training for Engineers

ENSIACET

INP
TOULOUSE

The National Engineering School Of Chemical and Technological Arts (ENSIACET) offers a great training range in the field of matter conversion with 5 specialist fields, among 15 options and ways of specializing which allow to work at the molecular level such as the running of industrial businesses and complex organisations. With 700 students, 160 Phd students and 300 staff, A7 represents the biggest European centre in this area.

The Teaching Departments

- 1st semester

Main body of the studies, focused on the engineering profession, which will culminate in the formalisation of a professional project.

- 2nd to 4th semesters 5 specialist fields :

- Chemistry (CH)
- Chemical Engineering (GC)
- Process Engineering and Computer Science (GPI)
- Industrial Engineering (GI)
- Materials and Processes (MEP)

- 5th to 6th semesters One of 15 options or an academic exchange in France or abroad.

Recruitment details (admission)

200 students are admitted from the Joint Polytechnic Competitive Exam, the National DEUG Competition, the Integrated Preparatory Course (CPI), the Polytechnic Preparatory Course (CPP - 2nd year of undergraduate study), on the basis of their qualifications (2nd year of undergraduate study) and into 2nd year on the basis of their qualifications (4th year of undergraduate study).

	Chemistry (CH)	Materials (IMAT)	Chemical Engineering (GC)	Process Engineering & Computer Science (GPI)	Industrial Engineering (GI)
MP	-	6	4	15	12
PC-CH	26	22	25	-	-
PC-PH	-	-	-	13	6
PSI	-	-	-	4	15
TPC	1	-	-	-	-
DEUG-CH	3	2	2	-	-
DEUG-PH	-	-	-	2	3
CPP	3	4	4	-	1
CPI	3	2	1	-	-
AST	6	3	4	3	-

Study Programmes

Industrial Engineering :

The ENSIACET Industrial Engineer positions himself at the interface between engineering sciences, economics and social sciences. He brings a global vision to the engineering profession in the commercial sector. Industrial Engineering (24%) - Mathematics and Computer science (20%) - Engineering sciences (20%) - Physics (12%) - Engineering professions (13%) - Humanities (11%)

Materials and Processes :

The ENSIACET Materials and Processes Engineer has scientific, technical and socio-economic skills at his disposal which allow him to lead projects on the basis of an informed choice of materials and associated elaboration processes. Materials (22%) - Chemistry (20%) - Engineering sciences (19%) - Physics (12%) - Mathematics and Computer science (8%) - Engineering professions (8%) - Humanities (11%)

Process Engineering & Computer Science :

The ENSIACET Process Engineer and Computer Scientist is a multi-competent engineer who has mastered mathematical and computer science tools and gained solid foundations in the fundamental disciplines of Process Engineering. Mathematics and Computer science (25%) - Engineering sciences (25%) - Physics (17%) - Chemistry (9%) - Engineering professions (13%) - Humanities (11%)

Président :
Gilbert
CASAMATTA

The INP Toulouse is a public institution of higher education linked to the Ministry of National Education



National Engineering School of Chemical and Technological Arts

Acting Manager :
Jean-Marc LELANN
Director of Studies :
Christine CECUTTI
Research Coordinator :
Dominique POQUILLON

I N S T I T U T N A T I O N A L P O L Y T E C H N I Q U E D E T O U L O U S E



There's more to the ENSIACET than meets the eye...

International Relations

A period abroad is strongly recommended, particularly in the third year. It can take the form of a work placement within a company or an academic year at a foreign university. Partnerships throughout the world: North Africa, Mexico, Brazil, Vietnam, South Korea, Thailand, China, etc.

European programmes: Socrates, Tempus, Leonardo.

Student Life

Student association, numerous sporting and cultural events throughout the year
Sports office
Youth club
Junior company
Cyber café
Media library

Accommodation

On the science campus at Rangueil: Several student residences managed by CROUS.

On-campus university restaurants.
Student-run cafeteria within the Engineering School.

After Graduation

AIA7 : ENSIACET graduate association (Job offers, career support, etc.)

Chemical Engineering :

The ENSIACET Chemical Engineer has a dual expertise, with an excellent balance of Chemistry and Process Engineering. Chemistry (36%) - Engineering sciences (25%) - Physics (12%) - Mathematics and Computer science (8%) - Engineering professions (8%) - Humanities (11%)

Chemistry :

The ENSIACET Chemical Engineer has a solid scientific and technical grounding in the different chemistry disciplines. Chemistry (50%) - Engineering sciences (19%) - Mathematics and Computer Science (7%) - Physics (5%) - Engineering professions (8%) - Humanities (11%)

Work Placements

In France or abroad

1st year : manual work placement for 1 to 2 months
2nd year : work placement for 1 to 3 months
3rd year : engineering placement for 4 to 6 months

Career Opportunities

Business Sectors

Chemistry, oil industry, energy	25 %
Para chemistry, pharmacy, health	20 %
Audit advisory, computer service firm	20 %
Studies, engineering	10 %
Materials, electronics,	
Aeronautics, car industry	10 %
Eco-industries	10 %
Agro-foodstuffs, paper, textiles	5 %

Jobs

Research and Development	25 %
Studies, engineering	27 %
Production, maintenance, logistics, quality, safety	25 %
Commercial (purchasing - selling)	5 %
Teaching	5 %
Management, financial management	5 %
Miscellaneous	8 %

Other Vocational Training

DESS (Post graduate diploma in an applied subject) :

- Pharmaceutical production and control in cooperation with the Université Paul Sabatier
- Industrial Systems engineering
- Business Start-up and Innovative Project

- Sub-contracting and logistics support

Specialised Master's Degrees (MS) :

- Processes
- Economic and strategic business intelligence, in cooperation with the Ecole Supérieure de Commerce in Toulouse

- Industrial Systems Engineering

Licence Professionnelle (employment-oriented qualification) :

- Agrivana - Agro-industry and development of non foodstuffs
- National Oenologist diploma, in cooperation with the Université Paul Sabatier

DHET (Advanced Studies in Technology diploma) :

- Processes
- Industrial Systems Engineering

Specialisation year :

- Processes - option in Process Engineering or Process Chemistry

Continuing Education

ENSIACET organises qualification tests for obtaining a state-awarded Engineering degree in chemistry and materials :

- Materials
- Chemistry
- Logistics
- Industrial Engineering
- Hygiene and safety

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