

world class tuition and research...

• 38% foreign students from 56 different countries : Australia, Brazil, China, Great Britain, Korea, Morocco, Romania, Spain, Ukraine, USA.

International Masters programs taught in English.

• Multi-national research program : PhD students from all over the world come to study in our labs : IMFT, IRIT, LAAS, LAPLACE.

... valued by industry

All 5 Departments work closely with industry professionals to ensure tuition is always relevant to current practice or indeed ahead of the game !

Each Department has its own research laboratory, providing real-world, hands-on scientific data, day to day, on the institute premises. An approach that is invaluable as we strive for excellence.

N7 (INP ENSEEIHT) — EUR-ACE label : the European quality label for Engineering Degree

programs at Bachelor and Masters level.

A Case of BACELIER Centres N7 (INP-ENSEEIHT) laboratories are all leading French research institutes. Anchored in international partnerships, our labs carry out state-of-the-art research in sustainable energy, medical engineering, aeronautics, space, web services, embedded networks, grid computing, cloud computing, piezoelectric actuators, embedded systems, mathematical modeling and sensors, amongst many other fields.

5 TRAINING DEPARTMENTS

ENSEEIHT

- Automation and electrical engineering
- Electronics and signal processing
- Computer sciences and applied mathematics
- Hydraulics and fluid mechanics
- Telecommunications and networks

- Image Analysis and Synthesis
- Indexing and Information Search
- Interaction, Autonomy, Dialogue and Cooperation
- Reasoning and Decision
- Modelling, Algorithms and High-Performance Computing
- Architecture, Systems and Networks
- Safety of Software Development

www.irit.fr

IMFT 🔊 🏢

- Particles, Spray and Combustion
- Transitional and Turbulent Single-Phase Flows
- Porous Media Group
- Surface Hydrology and Ecohydraulics
- Two-Phase Flows
- Waves, Turbulence and Environment

www.imft.fr



LAPLACE Laplace

- Electrical Arc and Thermal Plasma Processes
- Electrical System Control and Diagnostics
- Static Converters
- Solid Dielectrics and Reliability
- Research Group in Energy, Electricity & Systemics
- Research Group in Electromagnetism
- Research Group in Electrodynamics
- Research Group in Energetics, Plasma and Non-Equilibrium Phenomena
- Light and Matter
- Dielectric Materials in the Energy Conversion
- Materials and Plasma Processes
- Non-Equilibrium Reactive Plasma

www.laplace.fr

LAAS-CNRS

- Micro and Nanosystems
- Modeling, Optimization and Control of Systems
- Critical Computer Systems
- Robotics and Artificial Intelligence

www.laas.fr

PhD program

Research fellowships for outstanding scientists, leaders in their fields

Industry / Research partnerships a founding principle at N7 (INP-ENSEEIHT)

Our laboratories work closely with industry both in France and abroad. Some of our key partners include : Airbus, EdF, Total, Renault, PSA, Snecma, Suez, Alston, Microsoft, Vinci, Areva, Thales, Sanofi, Rockwell, Siemens, Michelin, Goodrich Aerospace, EADS, Liebherr and Siemens.

Research / Tuition - Keeping the knowledge flowing

The close links between industry and N7 (INP-ENSEEIHT) laboratories mean the students have direct insight into technical and industrial issues in the real world. This hands-on approach means students are thoroughly prepared both for academia and industry.

Testimonial



in 2004 the BRAFITEC program was set up at the Department of Electrical Engineering at UFSC ("Universidade Federal de Santa Catarina" / Brazil) in collaboration with ENSEEIHT. I was student there and I was attracted by this exchange gram.

I found out that ENSEEIHT had a well-known course in power electronics and electric motors used for aeronautics. I am very interested in this subject, so I was motivated to join this school. In my first year there, I was able to get to know other cultures and it was a melting pot to discuss different areas of science: there are no borders for an ENSEEIHT Engineer!

Personally the BRAFITEC program helped me open my mind and meet people from all over the world and develop great relationships. Professionally the BRAFITEC program allowed me to shape my career and I see the opportunity to contribute to scientific and technological development in a context that combines my interest in research in the industry (ie applied research).

As a result I was very motivated to continue my studies and do a PhD (I'm in the last year now) at the LAPLACE laboratory and of course I am very happy to live in the beautiful and cosmopolitan city of Toulouse, called the "Ville Rose" - "O mon pays, ô Toulouse, ô Toulouse !" I recommend the BRAFITEC program C.

> André DE ANDRADE (Member of BRAFITEC program in 2005



N7 (INP-ENSEEIHT) offers a broad range of training programs to foreign students.

There are 2 main orientations : exchange programs and free-standing diplomas. The exchange program minimum stay is 1 semester, and entrance requirements are M1 or M2. The diploma minimum stay is 2 semesters. N7 (INP-ENSEEIHT) uses the European Credit Transfer and Accumulation System ECTS.

Erasmus

N7 (INP-ENSEEIHT) has signed bi-lateral agreements with various European Universities for 1 or 2 semester stays, either as internships or straight studies. Every year, we receive on average **38** Erasmus students while **60** French ENSEEIHT students go abroad within the program. **1** semester = **30** credit units. Erasmus students receive between **100**€ and **150**€ / month as a grant from their home state.

Inter-continental exchange and diploma programs

Agreements signed with Universities in Brazil, Mexico, Argentina and Quebec allow us to both send and receive students to and from South, Central and North America :

BRAFITEC (Brazil) : **13** Brazilian students / year attend ENSEEIHT via 3 different agreements

MEXITEC [MEXICO] : **7** Mexican students / year attend ENSEEIHT

Arfitec [with Argentina] : opening in 2011 **CREPUQ*** [with Quebec] : an exchange of **20** students with the Universities of Quebec.

N7 (INP-ENSEEIHT) organises accommodation for foreign students.

*Quebeckers do not have to pay for their social security

Bilateral agreements : Exchanges for 1 or 2 semesters

Universities in Algeria, Australia, Cambodia, China, Morocco, Tunisia, USA... Key institutions include : Georgia Tech, Imperial College London...

Educational Solidarity Abroad

N7 (INP-ENSEEIHT) has also been instrumental in the creation of Masters programs in North Africa, South America and Asia.

"N+I" Institute of Engineering : Training Engineers for a globalized world

Exchange / Diploma

In partnership with key industrial players, N7 (INP-ENSEEIHT) also welcomes students from Universities worldwide with which we have no specific ongoing agreement. Individual applications are welcome for this highly prestigious highly selective program. The N+i training program entitles students to a full life-and-study grant. Intensive training in French as a foreign language is provided. N7 (INP-ENSEEIHT) deals with arrivals and accommodation within the 'integration package' offered.

16 foreign N+i students / year. Entrance requirements are level M1 or M2

To find out more: www.nplusi.com



The Double Diploma

In partnership with Universities in Australia - China -Germany - Lebanon - Morocco - Spain - USA ... N7 (INP-ENSEEIHT) offers the prestigious Double Diploma option. Foreign students obtain 2 full Engineering degrees : one from their original institution and the second from N7 (INP-ENSEEIHT).

Enrolment in the Double Diploma program means students spend at least 2 full years at N7 (INP-ENSEEIHT). **20** students / year

EUROPEAN HIGHER EDUCATION SYSTEM

MASTERS, ENTRY LEVEL: M1 AND M2

INTERNATIONAL MASTERS // Fluid engineering for industrial processes // Electrical engineering systems // Electronic systems for embedded and communicating applications

MASTERS IN PARTNERSHIP WITH THE ISAE AND THE THALES INDUSTRIAL GROUP // Embedded Systems in partnership with the ISAE and Thales

MASTERS IN PARTNERSHIP WITH THE ISAE, TÉLÉCOM SUD PARIS, TELECOM BRETAGNE AND THE THALES INDUSTRIAL GROUP // Space communication systems

http:// www.enseeiht.fr/fr/masters specialises.html



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N7 (INP-ENSEEIHT) KEY FIGURES

170 teaching staff
1,500 masters graduates
38 % Foreign students
56 nationalities
10 foreign quest professors / year

MIDI-PYRENEES (VAST REGION AROUND TOULOUSE)

R&D – top French region Aeronautics – top French region Space – top French region

Embedded Systems and

Electronics – 2nd French region

Higher Education - 2nd French region

3 SCIENCE CLUSTERS

- Aeronautics, space and embedded systems
- Cancer bio health
- AgriMip innovation : Traceability and safety in agrofood chain

Euroregion : Europe's top campus with 510,000 students and 45,000 researchers

Patents : 10/year

Start-ups : 2/year



There's a lively student scene at N7 (INP-ENSEEIHT). Trips, parties, clubs, sports tournaments... N7 students live life to the full !....

Every year there's the INP Festival, the end of year ball, a weekend in Barcelona, the ski trip to the Alps as well too many parties, matches and events to list here !

SPORTS

Just some of the clubs coordinated by the sports branch of the students' association 'BDS' : Rugby, dance, football, squash, golf, football, diving, handball...

Every year, the BDS organizes the huge 'Inter-INP' tournament bringing together more than 1,500 students, fiercely competing to bring home trophies in all sorts of sports.



DAY-TO-DAY LIFE

The International Relations Service is there for you from day one, to help you settle in to both your studies and your new home in Toulouse.

Foreign students benefit from the guidance and support of International Relations Managers – one per department - there to ensure each student gets the most out of their studies, whatever their chosen course.

One of the major roles of the International Relations Manager is to ensure that the students Othey follow, validate all of their credit units in order to move on to their next year of study. ri@enseeiht.fr

The "N+i" network package offers students personalized assistance, from meeting students arriving at the airport, to help in finding accommodation and dealing with all sorts of practical matters.

Accommodation

N7 (INP-ENSEEIHT) is located in the very centre of Toulouse so there are several accommodation options available :

- State-subsidized student housing for students receiving study grants. www.crous-toulouse.fr
- Local council subsidized housing available to anyone on a low income 'HLM'

www.habitatoulouse.fr

- Student hostels offering either half-board or self-catering. www.unme-asso.com
- Various privately owned student residences, close to the school offer furnished or unfurnished apartments. www.adele.org
- Homestay furnished rooms in private homes

www.accommodation-for-student.com http://art.ok.free.fr www.likhome.org

• Private rentals – either through an estate agent or via direct contact with the owner. Students rent individually or flat-share either furnished or unfurnished apartments. www.pap.fr www.seloger.com

NB : A deposit equal to at least one month's rent will be required. **NB** : There is no on-campus accommodation

> For more information : www.ambafrance-it.org/IMG/pdf/GuideAriane2010.pdf

Catering

N7 (INP-ENSEEIHT) has its own cafeteria offering complete lunch menus for \notin 2.90, along with snacks, sandwiches, drinks, etc. Reasonably-priced, traditional restaurants are also to be found nearby.

Facilities

N7(INP-ENSEEIHT) has a well stocked library-learning centre which also receives daily press and periodicals. We also have fully equipped computer rooms. The library and the computer rooms are open to all students 8am – 8pm. The school premises are in the heart of the city, with full bus, underground and train services on the doorstep.

Public transport

Toulouse has 2 underground lines, a tram service, an excellent bus network and a user-friendly system of hire bicycles...it's easy to get around ! There is a shuttle bus service to and from Toulouse-Blagnac airport (20 minutes from the centre). www.tisseo.fr

testimonial

I chose ENSEEIHT because I believe it is a reputable top school that is able to further my interest in fluid mechanics.

My journey thus far in ENSEEIHT has been an exciting and fulfilling one, encompassing not only excellent education facilities and environment, but also a well-integrated community that provides me with much experience in cultural diversity and exchange

Hyunjung Chang



A STUDENT'S BUDGET IN TOULOUSE

Accommodation 🕨 136 à 650 € 7 month) (including electricity and internet)

 Transport
 Image: 10 doi: 386 2 month

 Catering
 Image: 300 doi: 400 6 2 month

Tuition fees 🐱 800 à 10000 & 7 Year (depending on status)

> DULDUSE, a great place to live

One of France's favorite cities, Toulouse has it all : a mild climate with long, sunny summers, a superbly well preserved historic centre, the majestic Garonne river running through the town, and all of it bustling with students (Toulouse is second only to Paris in its student population). In sports, the rugby team is one of the finest in France and in industry of course, Toulouse is at the heart of cutting-edge European aeronautics.

> And if you do want to go further afield, we are just 1 hour's flight from Paris and it's just a 1 hour drive to ski slopes in the Pyrenees or to the beaches of the Mediterranean.

> > The capital of an urban area that is home to a million people, a hub of economic and industrial clusters, Toulouse successfully combines 21st century dynamics with a certain 'savoir vivre' ...



Ecole Nationale Supérieure d'Electrotechnique, d'Electronique, d'Informatique, d'Hydraulique et des Télécommunications

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INSTITUT NATIONAL POLYTECHNIQUE DE TOULOUSE

