

ENGINEERING EDUCATION
RESEARCH



POLYTECH[®]
NANTES



A member of the **Conférence des Grandes Ecoles**, Polytech'Nantes, the engineering school of the University of Nantes, is accredited by the **Commission des Titres d'Ingénieur (CTI)**.

A member of the **Polytech Group**, the first group of engineering schools in France, Polytech'Nantes was the first polytechnic engineering university in France. The school was created in January 2000 through the fusion of three existing engineering schools from Nantes and Saint-Nazaire: ESA-IGELEC, IRESTE, and ISITEM.

With its status as the **engineering school of the University of Nantes**, the school benefits from the scientific and pedagogic environment of a university. And in keeping with its dedication to shaping well-rounded engineers, the school is privileged to maintain close connections to a number of businesses and the economic world at both the national and international level.

THE SCHOOL IN NUMBERS

Polytech'Nantes has about 850 engineering students, 150 students in Engineering School preparation course (PeiP) and 250 students preparing their pre-doctoral and doctoral theses onsite-campuses - 35 000 m² split between Nantes (site of la Chantrerie) and Saint-Nazaire (site of Gavy).

The education of our engineers lies in the hands of 115 professors and assistant professors who are supported by 50 members of administrative and technical staff. The 300 engineers who graduate from Polytech'Nantes every year build upon a vast network of over 5000 graduated engineers already in the workforce as of 2009.

Important dates

1985: IRESTE and ISITEM (Engineering Schools) founded as part of the university of Nantes.

1990: ESA IGELEC (Engineering School) founded at Saint-Nazaire.

2000: The creation of Ecole polytechnique de l'université de Nantes (Polytech'Nantes) through the merging of the 3 schools.

2008: Opening of a new engineering training "Civil Engineering" in Saint-Nazaire.

2009: 5 000th engineering degree awarded by Polytech'Nantes and opening of the block-release engineering training "Energies".

2010: 10th birthday of the creation of the school and 25 years of engineering education in the University of Nantes.

CAMPUSES AT THE HEART OF THE BUSINESS CENTRE

The West Coast effect...

Polytech'Nantes is split between two sites: la Chantrerie in Nantes and Gavy in Saint-Nazaire.

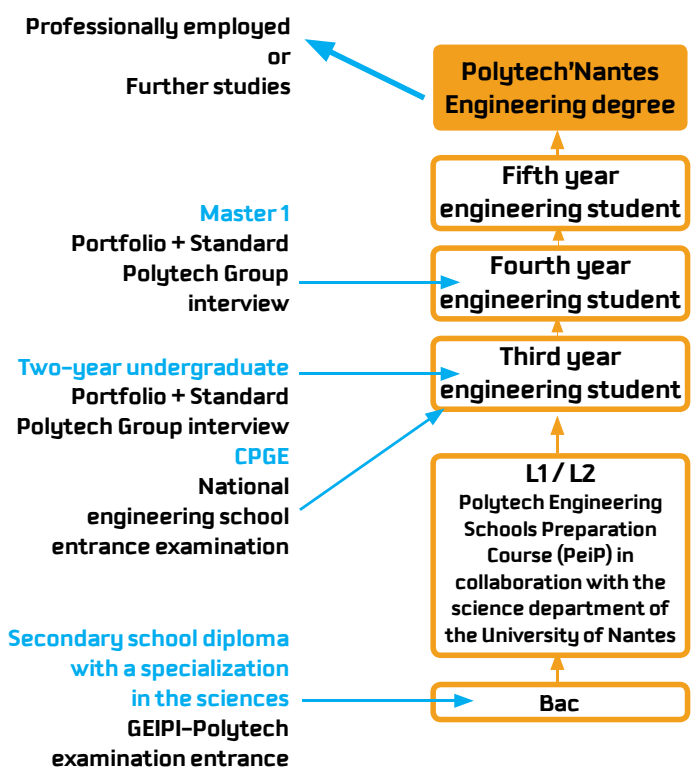
- **La Chantrerie** is home to 5 Grandes Ecoles, with over 2 000 students, two university restaurants, a technology library, as well as about 30 businesses at Atlanpole that deal in advanced technology, all set against a stunning backdrop, the banks of the Erdre declared "the most beautiful river in France" by King François I.

- **Gavy** is nestled amongst the aeronautics and shipbuilding industries of Saint-Nazaire and is graced with an industrial port environment. This campus also benefits from its proximity to the exceptional Guérande Peninsula and its seaside resorts.



AN ENGINEERING EDUCATION 7 specialities in engineering

The engineering students of Polytech’Nantes all receive an education dedicated to mastering the science and techniques which form the base of an engineer’s knowledge. Apart from theoretical instruction and general practical training, classes are centred on the fundamental themes and topics of each of the five specializations. Courses in the social sciences, knowledge of businesses, and languages help to fill out the engineering curriculum of our future engineers. All of our students have the option of completing their final semester of studies in another school in the Polytech Group or in a partner university overseas.

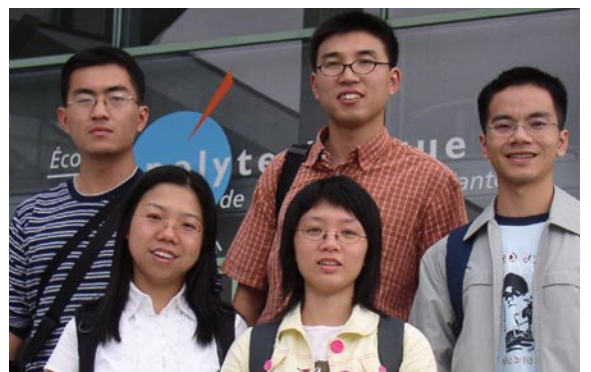


AN INTERNATIONAL ENVIRONMENT

Polytech’Nantes is a part of one of the largest French universities on the Atlantic coast.

Over 10% of our students come from abroad. Our agreements with over 50 foreign universities and companies, as well as the European university exchange programs Erasmus and Leonardo, permit Polytech’Nantes to receive and send students wishing to gain experience working abroad. The European Credit Transfer System (ECTS), currently used by Polytech’Nantes, establishes a standard of learning for foreign students attending Polytech’Nantes and guarantees that French students abroad will receive credit for their courses overseas.

Foreign students attending Polytech’Nantes are offered individual development programs and work collaboratively on projects. These projects are often put forth by industrial companies and research laboratories working within national and international consortiums. In order to facilitate the smooth integration of non French-speaking students, they are offered bilingual classes and intensive courses in French.



RESEARCH

Laboratories and research teams recognized in two fields of research

The laboratories and research teams at the school support those seeking doctoral degrees and strengthen the high level of science and technology already practiced by our professors and assistant professors. Research teams are interested in a vast range of research topics covered by all our school departments, including the human and social sciences.

Our laboratories have generated a number of academic and industrial collaborations both in France and elsewhere. In 2006, over 60 foreign labs and 75 industrial partnerships took part in projects with the school’s researchers.



■ ENGINEERING EDUCATION

■ RESEARCH





A SCHOOL OPEN TO...

... the world

Learning languages constitutes an invaluable part of the education of student engineers at Polytech'Nantes. In order to graduate, students are required to study English for at least two years at the university level and to work or study abroad as part of their education. The school is engaged in several partnerships and university exchanges which help students to locate internships with businesses or in research labs in Europe and elsewhere. The *International Relations* department helps students to organize their trips abroad. The school also welcomes dozens of international students every year, in both engineering and doctoral courses. Moreover, the school participates in specialized Master's courses in collaboration with other schools and distance learning, on an international scale.

... the business world

Local businesses participate in the definition and modification of curricula at Polytech'Nantes. They are represented on the school board. Many professionals contribute to the school through their participation in conferences and upper level courses. They also put forth a number of interdisciplinary projects and invite student engineers to take on internships and final projects with their businesses. A vital component of the curriculum is dedicated to the study of human sciences and business affairs. Our *Business Relations* department is responsible for the coordination and monitoring of the school's many business partners. Our *Technology Transfer* department is also responsible for maintaining connections in the field of research and development with businesses in the area.

STUDENT LIFE

The **student union** (B.D.E.), elected by student engineers, manages a number of extracurricular activities. Junior enterprises, sports clubs, special interest clubs, parties, a gala, and a number of scientific, technical, and humanitarian associations are just some of the ways that Polytech'Nantes students fill their spare time.

Poly'Nantes, the alumni association, plays a major role in maintaining an indispensable link to the school, between its graduates, and to the professional world.



Polyjoule gather students and professors around the conception, the realization and the optimization of an hydrogen vehicle prototype to participate in the energy competition of Shell Eco Marathon.



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NANTES

École d'ingénieurs de l'université de Nantes

■ **Site de la Chantrerie**

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Tél. 02 40 68 32 00
Fax 02 40 68 32 32

■ **Site de Gavy**

Gavy Océanis
BP152
44603 Saint-Nazaire cedex
Tél. 02 40 90 50 30
Fax 02 40 90 50 24

www.polytech.univ-nantes.fr



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www.polytech-reseau.org

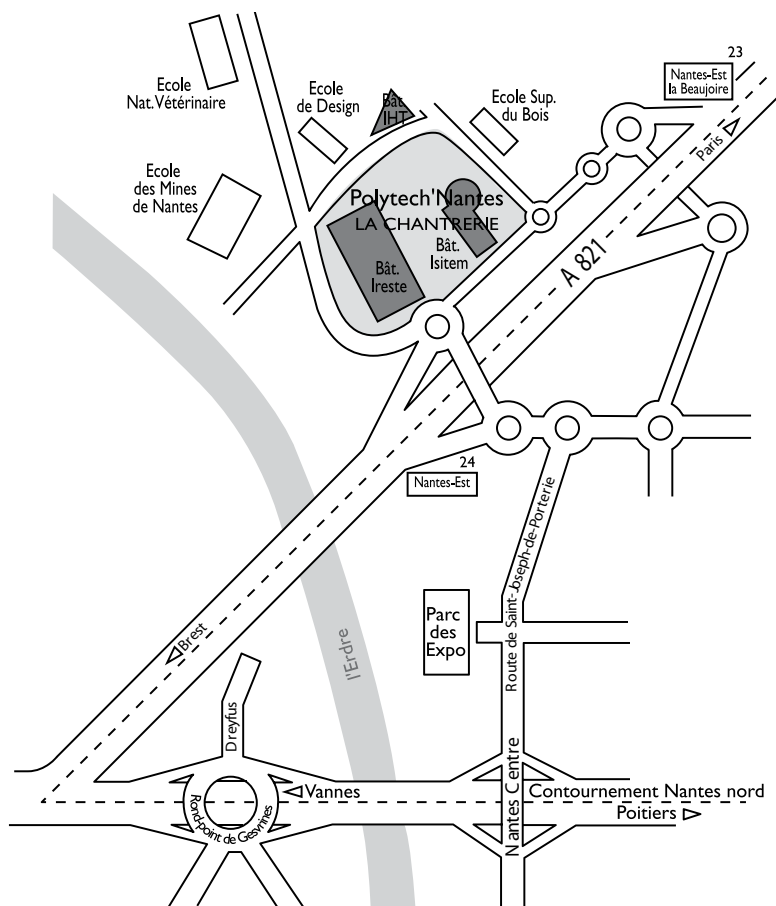


UNIVERSITÉ DE NANTES
www.univ-nantes.fr

ACCESS MAPS

Site of la Chantrerie (Nantes)

5 engineering specialities : Electronic and Digital Technologies, Computer science, Material Sciences, Thermal and Energy sciences and Energies.



Site de Gavy (Saint-Nazaire)

3 engineering specialities : Civil Engineering, Electrical Engineering, Energies.

