After an intensive 2-year curriculum called « classes préparatoires », they are selected through a national competition. Only the top 10% of the French students in science can access to this higher education system. As a « Grande école » devoted to engineering, Phelma has a very competitive selection process.

Phelma, the excellence of a French « Grande École »

Phelma, a wide range of academic programs and research in engineering

Focused on tomorrow’s challenges, Phelma offers a complete spectrum of engineering theastics. With high qualified facilities and technology platforms, Phelma is the ideal place to develop scientific competences. The well-recognized research environment in Grenoble favors this innovation potential.

Academic programs at Phelma

After a 1-year common core, Phelma offers the following master level specialities:

- Electrochemistry and Processes for Energy and the Environment
- Materials Science and Engineering
- Reactor Physics and Nuclear Engineering Specialty
- Physics and Nanoscience
- Biomedical Engineering
- Integrated Electronic Systems
- Signal and Image Processing, Communication Systems, Multimedia
- Embedded Systems and Software and Connected Devices
- Telecommunications

Lab sessions make up 30% of the training offered at Phelma. High technology platforms available for studies:

- CIME Nanotech is an inter-university center offering several platforms: clean room, electrical characterization, systems on chip, biotechnology, hyperfrequency..
- Nuclear physics training lab for radioactivity, cosmic rays or tomography study.
- Industrial Chemistry training lab which contains semi-industrial equipment for practical training in electrochemistry, process engineering and fluid mechanics.
- Large international scientific instruments: the European Synchrotron (ESRF) and a neutron reactor (ILL) are located in Grenoble and Phelma’s students access those instruments for mater exploration.

Phelma, the wide range of academic programs and research in engineering
STUDENT LIFE

Situated in a unique natural environment in the heart of the French Alps, Grenoble is a city with an enjoyable way of life, where anyone interested in sport can live out his/her passion. The French press consistently ranks Grenoble at the top of the list of French cities where it is good to be a student. There are more than 30 student clubs and societies offering all sorts of varied activities and events. Whatever you are into - sport, culture, humanitarian action, leisure or career-oriented activities - there is something for you. This is an integral part of your student life and your training as an engineer.

TESTIMONIES

Hélène A., an engineering student at Phelma, discusses student life in Grenoble

Do you like the town and the region: its atmosphere, sports, culture, housing, etc.?

What I like about Grenoble is that it is very easy to get about by bike, and the fact that you can get wherever you want quickly is really great! And then there are all sorts of activities: walking, cycling, skiing, museums, the theatre, etc.

When research meets education: Interview with Marianne WEIDENHAUP (PhD, Lecturer)

What are the advantages for a student to be taught by a researcher?

Combining teaching with research gives you the unique possibility to go beyond theories and models and propose projects and internships to the students so that they can be directly involved with ongoing science. It is also a source of motivation to encourage students to develop their own research projects and participate in international competitions, like iGEM, in the field of synthetic biology. Not to the least, the scientific network of the researcher is often a source of inspiration for the orientation and future professional carrier of the students.

HONORS

- Jean KUNTZMAN - First computing lab (1951)
- Louis NÉEL - Physics Nobel Prize (1970)
- Joseph SIFAKIS - Turing Prize (2007)
- Rachid YAZAMI - Draper Prize (2014)
- Renaud BOUCHET - EDF Pulse Award in the Science category (2014)
- Catherine Picard - CNRS Silver medal (2016)

PRESS RANKINGS

- Grenoble INP was ranked in three of seven engineering fields covered by the new Global Ranking of Academic Subjects 2016
- L’Etudiant/L’Express: 3rd among the 100 best french engineering schools - 2016
- Industrie et Technologies: 2nd

CONTACT

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Grenoble: 5th most innovative city in the world (FORBES)