

Sciences, Technology and Health

Engineering School Integration Program

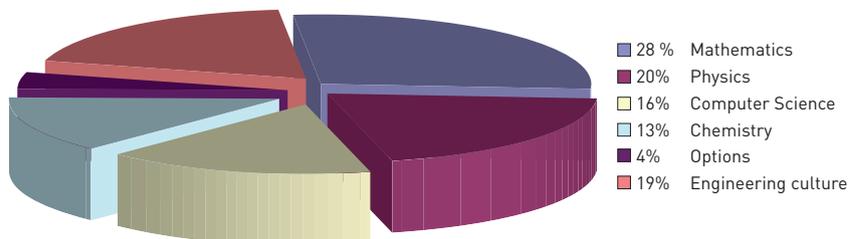


OBJECTIVES

> Sup Galilée Engineering School offers a two-years preparatory program. The aim is to allow students to integrate the Engineering School of Paris 13. The program is focused on general education in science, including mathematics, physics, computing science, chemistry, and in major disciplines that are imperative for an engineer (English, presentation and communication skills, etc.). Options will introduce the students to different specialties of the engineering curriculum.

At the end of the program, each student will choose his or her specialty.

FIRST YEAR OF PREPARATORY PROGRAM



ADMISSION REQUIREMENTS

FIRST YEAR

> Admission is subject to a competitive entrance exam GEIPI-POLYTECH (www.geipi-polytech.org). This exam is opened to students in their last year of secondary program or high school (corresponding to French "terminale S") or to undergraduate having completed at least one academic year in a scientific discipline. In case you are not sure your situation meets these requirements, please contact the School office for further information (phone and e-mail below).

APPLICATION

> Application forms are available from January to March on: www.admission-postbac.org. The exam takes place during May.

SECOND YEAR

> Selection of candidates is based on qualifications and interviews. The process is opened to French students in "classes préparatoires" or completing a preparatory program, and to foreign students.

Application files are available in April on: www.sup-galilee.univ-paris13.fr. They must be submitted by end of April. Applicants will receive an answer end of May.

ENGINEERS SUP GALILEE

The School is accredited by the French "Commission du Titre d'Ingénieur".

> Four specialties:

- Applied Mathematics and Modelization
- Computer Science
- Telecommunication and Networks
- Energy

> Two apprenticeship programs:

- Energy
- Computer Science and Networks

Program Organization

1 FIRST YEAR

FIRST YEAR

- Mathematics
Analysis, algebra, topology
- Computer science
Introduction to computer science,
imperative programming
- Physics
Mechanics, thermodynamics,
electromagnetism, wave propagation
- Chemistry
Matter Structure and chemical
reactions
Chemical kinetics and chemistry
of solutions
- One of the following options:
Graphical web interface
Digital electronics
Organic and inorganic chemistry
- "Engineering culture"
English, presentation
and communication skills, exploration
of the corporate world, project
management, self-management, sport
(seven available sports).

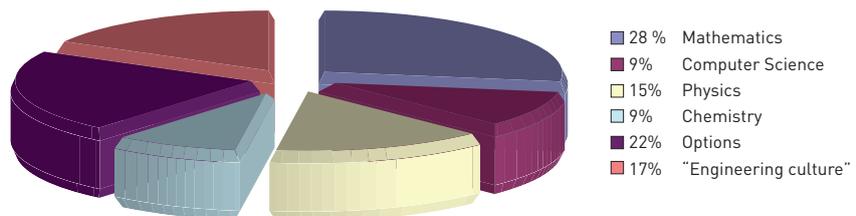


2 SECOND YEAR

SECOND YEAR

- | | |
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| <ul style="list-style-type: none"> • Mathematics 222h
Analysis, algebra, topology • Computer science 72 h
System – network – architecture,
algorithms • Physics 120 h
Analogical electronics, geometric optics
and physics, electromagnetism • Chemistry 72 h
Thermodynamics, electrochemistry • Five of the following options: 180 h
- Computer Science application fields | <ul style="list-style-type: none"> - Thermodynamics - Measures and numerical signals - Energetic systems - Modelization - Functional analysis - Introduction to graphical interfaces - Fluid mechanics - Analogical electronics - Heat and mass transfers - Hilbert analysis - Optimization |
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- Engineering culture 115h + internship
English, studying abroad, international
careers, exploration of corporate world,
internship in a company (one or two
weeks), presentation and communication
skills, sport (swimming, basket, fitness,
badminton, climbing, archery and
indoor football)

Second Year Of Preparatory Program



Director of Institut Galilée Frédéric Roupin • Program Director Sébastien Guérif

School Office H 103, Institut Galilée - Université Paris 13 - 99, avenue Jean-Baptiste Clément 93430 Villetaneuse
Phone ++33 (0) 1 49 40 33 75 - Fax ++33 (0) 1 49 40 40 43 - Mail cycle-prepa.sup.galilee@univ-paris13.fr

www.sup-galilee.univ-paris13.fr