

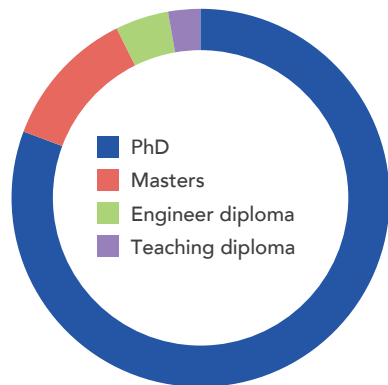
AND ALSO...

- A wide choice of courses in **sciences and humanities** that count toward the ENS Diploma (DENS).
- A **minor in "Environment"** with courses in economics, geopolitics, ethics, etc.
- A **personalized tutoring** by a researcher of the department for every student.
- A **permanent contact with research** at the forefront of the Geosciences.
- An **international context** with many foreign students and professors.
- Geosciences in **the heart of Paris**, what else...!

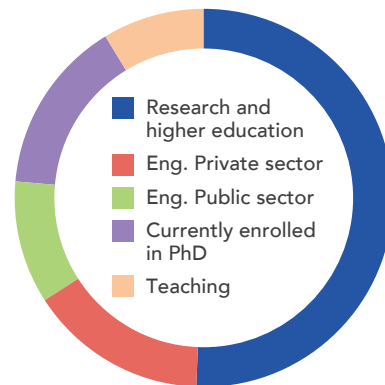


Oceanography ship course in Nice

Diplomas earned



Professional situation



Results from a 2013 survey including 1986-2009 classes, 80% replies obtained.

GÉOSCIENCES

at the École normale supérieure



Become a Research Professional in

Earth, Ocean, and Atmospheric Sciences



Contact us !

www.geosciences.ens.fr

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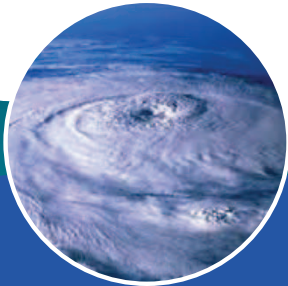


The **Department of Geosciences** of ENS offers a 3-year curriculum in Earth, Ocean, and Atmospheric Sciences that includes research experiences in the field and in the lab, **in France and abroad**.

The curriculum is open to students with at least two years of prior university background in Earth sciences, physics, chemistry, or mathematics. Admission is obtained via a competitive entrance exam and/or through an open application process. Foreign students can also apply via the international selection program. → www.ens.fr/admission/selection-internationale/?lang=en

Geosciences are at the heart of major societal and environmental issues - natural hazards, energy supply, water resources, pollution, and climate change. They require observations and measurements in the field and in the laboratory, physical and biogeochemical modeling, and mathematical tools to understand and predict the evolution of our planet.

The Department of Geosciences of ENS and its research laboratories provide leading research and training on these topics.



Excellence training focused on research

Courses are taught by researchers from our laboratories at the forefront of their field. They include numerous training courses in the field and in the laboratory and research internships including at least one abroad. Students are encouraged to take additional courses in other departments as part of the ENS Diploma.



Admission via entrance exam and open application

Admission to the L3 level is obtained through the ENS entrance exam or through open application process for all students.

Admission to the Master program is by open application for students from universities and engineering schools.



Opportunities in research and industry

Students from ENS Geosciences predominantly pursue a doctoral thesis and a career in research and higher education.

A growing number of students are also entering careers in major private and public companies as well as government agencies.

THE TRAINING CURRICULUM

Our curriculum is designed to provide students with the quantitative and disciplinary foundation to become the actors of future scientific discoveries in the Geosciences. The curriculum strives for openness and intellectual development, promotes interdisciplinarity, includes hands-on field activities and research internships, and allows for atypical course work especially at the interfaces between traditional scientific disciplines.

Semester 1 (L3)

School begins with a field course in southern France that combines geology, hydrology, and bio-ecology. Courses then include core modules in major geoscience disciplines (geodynamics, oceanography, climate science, biogeochemistry) and in physics, mathematics and computer science. This set of courses provides the knowledge base necessary for further specialization in any area the Geosciences.

Semester 2 (L3)

Semester 2 begins with an experimental laboratory internship followed by courses chosen from a wide range of disciplines of the Geosciences aimed at deepening the topics taught in the core courses. The semester ends with a one-month internship in a research laboratory validated by a report and an oral defense.

Semester 3 (M1)

The second year starts with a field course that includes oceanography, marine geophysics, and space geodesy. It is followed by courses chosen from a wide range of disciplines of the Geosciences as well as courses advanced scientific methods. Students start to focus on their general area of interest amongst solid earth, oceans, atmosphere or the bio-geosphere.

Semester 4 (M1)

It consists of a 5-months research internship performed in a laboratory abroad. It is a unique opportunity for students to discover the world of international research and increase their scientific maturity toward their future career.



Exploring the Etna volcano in Sicily

Semester 5 (M2)

This is a semester of specialization, where courses are generally taken in one of our partner institutions: University Paris 7 (Master STEP, Earth Sciences, Environment, and Planets) and University Paris 6 (Master SDUEE, Sciences of the Universe, Ecology, Environment).

Semester 6 (M2)

It consists of 5-month internship in one of the research laboratories associated with the STEP or SDUEE masters, including those of the ENS Department of Geosciences. This internship is the starting point for a PhD or a specialization for a professional project.



Geophysics field course in the French Alps