GÉOSCIENCES
at the École normale supérieure

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…!

Diplomas earned

- PhD
- Masters
- Engineer diploma
- Teaching diploma

Professional situation

- Research and higher education
- Eng. Private sector
- Eng. Public sector
- Currently enrolled in PhD
- Teaching

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

Become a Research Professional in Earth, Ocean, and Atmospheric Sciences

Contact us!

www.geosciences.ens.fr
24 rue de Lhomond, 75231 Paris Cedex 05
geosciences@ens.fr
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.

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.

**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.