



Access to graduate program

Requirement

- The GREEN Graduate school is open to high-potential students from a variety of scientific backgrounds who have completed their undergraduate training with the highest honors (special fees could be offered to promising candidates) and are highly motivated for a dedicated research-focused PhD-Track.
- Depending on the field of research, applicants must hold a Bachelor's degree in physics, chemical engineering, mechanical engineering, geology or geophysics.
- Applicants must be fluent in English, both in writing and speaking. A non-native English candidate must pass an internationally recognised English test or an English interview with our lecturers. Minimum required score CECRL B2 level in English.

Apply

- Application on Mobility online: <https://ri.univ-pau.fr/m-programs>

Assets

- Scholarships
- Training in English
- More than one third of ECTS acquired in research
- Integrating research laboratories right from the 1st semester of M1
- Student-centered learning
- Multidisciplinarity (Geology, Chemistry, Physics...)
- Post-graduate studies with a PhD thesis - if the criteria of excellence are recognized
- Tutorship and tailor-made programs: each student will have a tutor with whom s.he will build her/his curriculum related to his aspirations and research interest. The tutor will also help the student define a series of face-to-face or e-learning courses (up to 20 or 25% for the STEE GP) that s/he can easily keep up with.



Contacts

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ET DES PAYS DE L'ADOUR

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Head of the graduate program

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International Welcome Desk

<http://univ-pau.fr/en/welcome-desk>

GRADUATE SCHOOL GREEN

Graduate
program
SAGE

Sustainable geoenergies



Conception : Direction de la communication - Impression : Centre de reprographie - UPPA - Décembre 2023



<https://formation.univ-pau.fr/m-green-sage>

Presentation

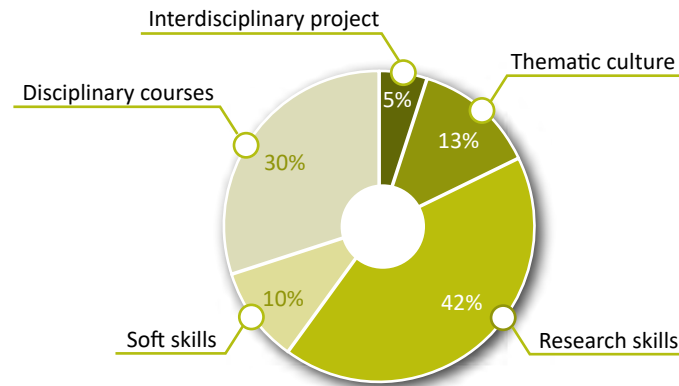
Graduate program GREEN is a 5-year integrated Master's/PhD program of excellence linked to the research fields of Energy and the Environment with research-intensive training in multiple fields.

The GREEN graduate school (GRaduate school for Energetic and Environmental iNnovation) aims to train tomorrow's research managers, for them to be enlightened about the challenges of energy and the environment, capable of understanding their complexity and proposing innovative solutions to face the challenges of transitions.

Graduate program

Interdisciplinarity and Research immersion in laboratories

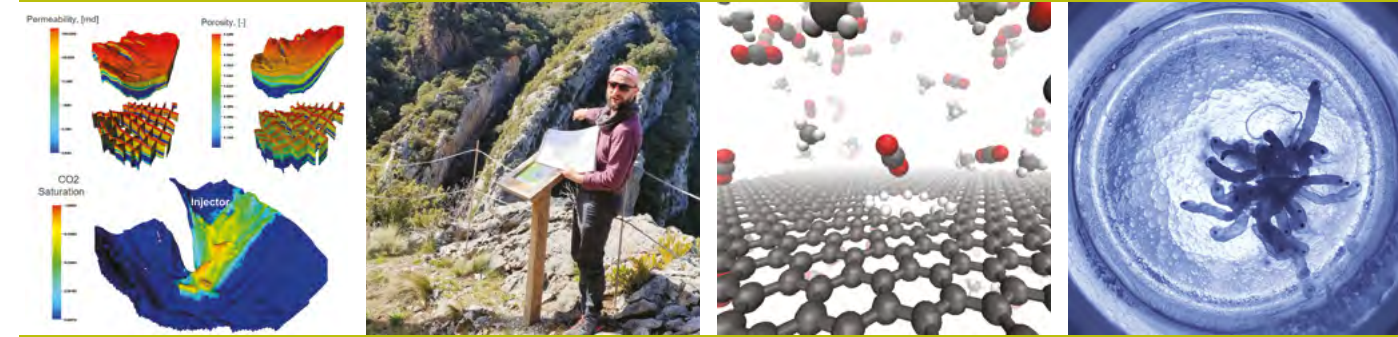
In order to promote transversal and interdisciplinary activities, all the Graduate Programs proposed by GREEN are identically structured. In addition to the research training which represents 40% of a Master's credits, the courses offered in each GP are a combination of common thematic culture courses in the field of Energy and Environment (Sustainability Science, Resilience Alliance, Ecological Economics and Political Ecology, Health & Ecotoxicology, Energy Law & Policy.....) and basic soft skills completed by fundamental and specialized disciplinary courses to fit with the research or topic interest of the students.



Training by project

The research-based training program of our GREEN project follows the active educational approach of "student-based learning". The aim is to guide our students and help them structure their research and innovation projects, while giving them a great deal of autonomy.

In the second year, there is therefore a significant reduction in the number of face-to-face courses in favour of project-based learning, in order to put students in a professional situation so that they can experiment group work and project management. This framework encourages a strong interaction between students, lecturers, and researchers to ensure an easier integration into the host research laboratories. The interdisciplinary project proposed in the third semester should give students from all the graduate programs an opportunity to produce joint, multidisciplinary work.



Graduate program SAGE - Sustainable geoenergies

This Graduate Program, which builds on the well-established Geoenergies master's program, offers extensive training in all the scientific disciplines involved in the sustainable use of the subsurface in a context of energy transition.

With the aim of reconciling climate objectives with ever-increasing energy demand, the capture and long-term geological storage of CO2, the seasonal storage of gases including hydrogen and biomethane, and deep geothermal energy production are all examples of industrial applications currently under rapid development and requiring intensive applied and fundamental research.

With this GP, unique in France, we offer students the opportunity to acquire cutting-edge scientific expertise in the fields of reservoir geology, geophysical and geochemical monitoring of geological reservoirs, passive and reactive fluid transport in porous media and chemical engineering. This academic knowledge, combined with the numerical and experimental know-how acquired in the research laboratories supporting the program (Laboratory of Complex Fluid and their Reservoirs - LFCR, Laboratory of Mathematics and their Applications - LMAP), will provide a unique set of skills for tackling the scientific challenges posed by the use and storage of geoenergies.

Opportunities

Sector

- Environment
- Energy

Fields

- Research and Development

Positions

- Academic positions
- R&D Engineers