

SCIENCES, TECHNOLOGIES AND HEALTH

Sciences in electrical engineering for smart grids and buildings (SGB)

Master in Electronics, electrical energy, automation



Duration
2 years



Component
Grenoble
INP, Institut
d'ingénierie et
de management
- UGA



Language(s) of
instruction
English

Presentation

Electrical networks, storage and buildings have become major strategic issues for modern societies faced with the challenges of sustainable development and energy transition. They are currently undergoing profound technological and conceptual changes. All three converge through the intelligent electrical network (the "smart grid"), where buildings are an essential link via customers who have become both consumers and producers (activist consumers). They have been the subject of extensive research, development and investment, in Europe and throughout the world. The SGB master offers 24 months of high-level technical training in these three areas. It will give students a strong systemic view of the electrical system, including the economic, environmental and societal aspects, combined with a strong capacity for technical analysis.

This 2nd year's master involves work-linked training under a vocational training contract. Students wishing to go on to doctoral studies may conduct a project in a laboratory instead of pursuing work-linked training in a company.

Information will be available in the next few weeks from the G-INP website: [🔗 master-smartgrid-energy.grenoble-inp.fr](https://master-smartgrid-energy.grenoble-inp.fr)

International education : Internationally-oriented programmes

Admission

Access conditions

You are eligible for integrate a master 1st year, you must have a degree level 3rd year or equivalent. To enter a master 2nd year, you must hold a master 1st year or equivalent. Your curriculum must be in agreement with the master you want to integrate. Recruitment and registration procedures are specified directly at the specialty level.

Candidates for continuing education : You are eligible for continuing education :

- if you are resuming your studies after two years of interruption
- or if you followed a training course under the continuing education scheme in either of the past two years
- or if you are an employee, job seeker, or self-employed worker

If you do not have the diploma required for admission to the course, you can undertake a process of [validation of prior personal and professional experience \(VAPP\)](#)

Candidature / Application

You want to apply and sign up for a master ? Please be aware that the procedure differs depending on the diploma you want to take, the diploma you have already obtained and, for foreign students, your place of residence. Let us be your guide – simply follow this [link](#)

Fees

Tuition fees 2019-2020: 243 €

Useful info

Contacts

Program administration

Application

[✉ phitem.candidature.etudiant@univ-grenoble-alpes.fr](mailto:phitem.candidature.etudiant@univ-grenoble-alpes.fr)

Course location(s) - City

[📍 Grenoble](#)

Campus

[🏠 Grenoble - Scientific Polygon](#)