

Master in Electronics, electrical energy, automation

The programme offers the following course(s) :

- › Multiscale and mutlipysics modeling for electrical engineering (3MEE)
- › Design of electrical energy systems (CSEE)
- › Master in systems, control and information technologies (MISCIT)
- › Wireless integrated circuits and systems (WICS)
- › Sciences in electrical engineering for smart grids and buildings (SGB)
- › Microelectronics integration of real-time embedded systems (MISTRE)

Presentation



The University of Grenoble benefits from an exceptional scientific environment, with a high concentration of laboratories of excellence and industries. Its educational teams, made up of specialised academics and qualified professionals, are among the best in Europe. The establishments (UGA and G-INP) are bolstered by first-rate teaching platforms (GreenER, CIME, Minatec, etc.), enabling students to benefit from leading-edge, professional equipment.

The master in EEA (electronics, electrical energy, automation and signal processing) is an example, offering a comprehensive training course, adapted to the growing need for specialised skills resulting from the constant transformation of energy and information systems. There are therefore numerous career opportunities, with management positions in industry or research & development in both the public and private sectors.

The course is jointly accredited by the Université# Grenoble Alpes and Grenoble INP. The first year prepares students for further studies through a foundation program with two majors (Electrical energy systems and Electronic systems). In the second year of the master, students specialise and choose from among five programs :

- 3MEE (Multiscale and multiphysics modelling for electrical engineering)
- CSEE (Design of electrical energy systems)
- MISCIT (Master in systems, control and information technologies)
- MISTRE (Microelectronics integration of real-time embedded systems)
- WICS (Wireless integrated circuits and systems)

The 3MEE, MISCIT and WICS programs target international students (courses are in English) and concentrate on preparing them for doctoral studies or for positions in industry. The CSEE and MISTRE programs are more vocational, with practical instruction and the option of work-linked training.

The specialisation also includes the two-year master of Science in electrical engineering, which is offered by G-INP.

Registration and scholarships

- For the first year : holders of a bachelor degree in EEA or physics, or equivalent diploma
- For the second year : students who have completed the first year of the Master or equivalent level course in the field of electrical energy

Public continuing education : You are in charge of continuing education :

- if you resume your studies after 2 years of interruption of studies
- or if you followed training under the continuous training regime one of the previous 2 years
- or if you are an employee, job seeker, self-employed

If you do not have the diploma required to integrate the training, you can undertake a [validation of personal and professional achievements \(VAPP\)](#)

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 : <https://www.univ-grenoble-alpes.fr/candidater-et-s-inscrire/>

Practicals informations :

- > Component : Grenoble INP, Institut d'ingénierie et de management, UFR PhITEM (physique, ingénierie, terre, environnement, mécanique)
- > level : Bacalaureate +5
- > Duration : 2 years
- > Course type : Initial and Continuing Education, Education in apprenticeship, Professionalisation contract
- > Location(s) :

Contacts

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Program administration

Registrar's Office for the Master in Electronics, electrical energy, automation

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Application

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