

Master in Electronics, electrical energy, automation

The programme offers the following course(s) :

- › Electrical Engineering and Control Systems 1st year
- › Design of electrical energy systems (CSEE) 1st and 2nd year
- › Microelectronics integration of real-time embedded systems (MISTRE) 1st and 2nd year
- › Sciences in electrical engineering for smart grids and buildings (SGB) 1st and 2nd year
- › Master in Integration, Security and TRust in Embedded systems 2nd year / MISTRE Valence
- › Electrical Engineering and Control Systems / CompSEE 2nd year
- › Electrical Engineering and Control Systems / MISCIT 2nd year
- › Electrical Engineering and Control Systems / WICS 2nd year

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

Access conditions

- 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 \(VAPP\)](#)

[skin.odf-uga:SKIN_ODF_CONTENT_PROGRAM_CANDIDATURE_LABEL](#)

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](#)

Expenses

Tuition fees 2023 - 2024: 243 € + 100€ CVEC

Practicals informations :

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

Contacts

Program director

Pernot Julien
julien.Pernot@univ-grenoble-alpes.fr

Program administration

Registrar's Office for the Master in Electronics, electrical energy, automation
phitem.master.eea@univ-grenoble-alpes.fr

Application
phitem.candidature.etudiant@univ-grenoble-alpes.fr

Continuing education manager

Contact FC STS
fc-sts@univ-grenoble-alpes.fr

Program

- › Electrical Engineering and Control Systems 1st year
- › Design of electrical energy systems (CSEE) 1st and 2nd year
- › Microelectronics integration of real-time embedded systems (MISTRE) 1st and 2nd year
- › Sciences in electrical engineering for smart grids and buildings (SGB) 1st and 2nd year
- › Master in Integration, Security and TRust in Embedded systems 2nd year / MISTRE Valence
- › Electrical Engineering and Control Systems / CompSEE 2nd year
- › Electrical Engineering and Control Systems / MISCIT 2nd year
- › Electrical Engineering and Control Systems / WICS 2nd year