

Field of study **Sciences and engineering**

Training available in

Apprenticeship

Initial training

Continuing education

How to apply :

<https://www.univ-gustave-eiffel.fr/en/formation/applications-and-enrolment/applications>

Course venue :

Campus Marne la Vallée - Champs sur Marne - Bâtiment Copernic 5 Boulevard Descartes 77420 Champs-sur-Marne

Calendar :

From October to mid-June, there are theoretical and practical classes, followed by an optional work placement of two months maximum.

Contacts :

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More information :

For further details :

<https://www.univ-gustave-eiffel.fr/international/etudiants-internationaux>

Service Information,

Orientation et Insertion Professionnelle (SIO-IP) :

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Master's degree Electronics, electrical energy and automation Electronics, electrical energy and automation



Institut d'électronique et d'informatique Gaspard Monge (IGM)

Master's degree M1

TO GET THERE

For M1, a high school diploma plus three years of higher education in science. For M2, a high school diploma plus four years of higher education in science. Recruitment on the basis of application.

ACQUIRED SKILLS

The objective of the Master's is to provide solid skills in the scientific and technical subjects required for understanding electronic systems.

YOUR FUTURE CAREER

Students can choose between three programmes for M2 - Master's in Electronics, Electrical Energy and Automation:

- Microsystems and Communicating Sensors
- Communicating Systems in Complex Environments
- Technologies and Telecommunications Networks

Professional opportunities are broad and depend on the student's specialisation: research engineer, developer of telecom products or embedded systems, systems integrator, test and validation engineer, research engineer, project manager in a company, researcher, faculty member.

Students may also pursue a PhD at the doctoral school of Université Gustave Eiffel.

BENEFITS OF THE PROGRAM

The course has the advantage of combining units generally provided in different specialisations (electronics, physics, signal processing, computer science, networks). The content of the M1 units is broad enough to allow students to choose between three different M2 programmes.

More information



PROGRAM

SEMESTER 1

Mathématiques appliquées (ECTS:3)
Calcul scientifique - logiciels (ECTS:1)
Traitement du Signal (ECTS:6)
Electromagnétisme et propagation (ECTS:4)
Mesures et Capteurs (ECTS:6)
Dispositifs à semiconducteurs (ECTS:4)
Électronique analogique (ECTS:4)
Filtres analogiques (ECTS:2)
Développement durable

SEMESTER 2

Électronique numérique (ECTS:3)
Introduction aux antennes (ECTS:2)
Théorie des lignes de transmission (ECTS:2)
Mesures hyperfréquences (ECTS:4)
Communications radiofréquences (ECTS:3)
Communications numériques (ECTS:1)
Informatique (ECTS:4)
Architecture des réseaux (ECTS:2)
Anglais (ECTS:3)
Projet - gestion de projet (ECTS:6)
Stage (ECTS:0.5)