Université Gustave Eiffel

Field of study Human and social sciences, architecture, sport Sciences and engineering

Training available in

Initial training | Continuing education

Recognition of prior learning

How to apply :
https://www.univ-gustave-eiffel.fr/en/formation/applications-and-enrolment/applications

Course venue :
Campus Marne la Vallée - Champs sur Marne - Ecole Nationale des Sciences Géographiques (ENSG) 6/8 avenue Blaise Pascal 77420 Champs sur Marne
Campus Marne la Vallée - Champs sur Marne - Bâtiment Copernic

Calendar :
Four to six-month work placement between 1 April and 30 September.

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) :

sio@univ-eiffel.fr / Tel : +33 1 60 95 76 76

Université Gustave Eiffel | INSTITUT D'ÉLECTRONIQUE ET D'INFORMATIQUE GASPARD-MONGE

Master's degree Geomatics Geographic information: spatial analysis and remote sensing

DIPLÔME CONFÉRANT GRADE DE MASTER CONTRÔLÉ PAR L'ÉTAT

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

Master's degree M2

TO GET THERE

Students studying a Master's in science (physics, geomatics, computer science, etc.).

Master's students in geography, agronomy, spatial planning, etc. with skills in image processing, data analysis, GIS and / or computer science, and wishing to specialize in remote sensing and spatial analysis.

ACQUIRED SKILLS

This Master's provides training in spatial remote sensing and geographic data analysis. It trains geomaticians capable of designing and implementing methods aimed at structuring, analysing and visualising vector geographic information and images (optical and radar), to make it possible to study phenomena with a spatial component.

YOUR FUTURE CAREER

This Master's is oriented towards both research and industry. Graduates seeking direct employment can apply for jobs such as research engineer, project manager in a company (digital geography, geomatics, geophysical prospecting, environment, defence, design offices or local administrations). They can also pursue further studies with a PhD, going on to work in higher education or public/semi-public research bodies, such as CNRS, IGN, CNES, IPG, IRD, IRSTEA, INRA or INRIA in France, or other research bodies overseas.

BENEFITS OF THE PROGRAM

This programme addresses identified needs in the field of geomatics, in particular thanks to the "Skills and Trades" survey conducted in 2013 by the French Association for Geographic Information, the GeoRezo network and the MAGIS Geomatics Research Group at CNRS. Students are therefore perfectly prepared for the professional world.

More information

PROGRAM

SEMESTER 3

Mathématiques pour les Sciences Géographiques (ECTS:3)
Traitement d'Images (ECTS:3)
Télédétection: Bases physiques et Méthodes (ECTS:3)
Télédétection: Applications (ECTS:3)
Projet télédétection (ECTS:3)
Modélisation et manipulation de l'information géographique (ECTS:3)
Analyse géométrique de l'information géographique (ECTS:3)
Analyse statistique de l'information géographique (ECTS:3)
Analyse des dynamiques spatio-temporelles (ECTS:3)
Projet tutoré analyse spatiale (ECTS:3)

SEMESTER 4

Programmation SIG (ECTS:3)
Initiation à la veille scientifique (ECTS:2)
Méthodes transverses de constitution et d'analyse de données (ECTS:2)
Projet de rentrée
Stage (ECTS:23)