Université Gustave Eiffel

Field of study Sciences and engineering

Training available in

Initial training

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 Lavoisier 5 Boulevard Descartes 77420 Champs-sur-Marne

Calendar :
Classes start in the second half of September and end in the second half of June, allowing students to potentially start their work placement from that point on.

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For further details :
https://www.univ-gustave-eiffel.fr/international/etudiants-internationaux
Service Information,
Orientation et Insertion Professionnelle (SIO-IP) :

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EIVP
ÉCOLE DES INGÉNIEURS DE LA VILLE DE PARIS
ÉCOLE SUPÉRIEURE DU GÉNIE URBAIN

Master's degree
Urban Engineering

DIPLÔME CONFÉRANT GRADE DE MASTER CONTRÔLÉ PAR L'ÉTAT

École des Ingénieurs de la Ville de Paris (EIVP)

Master's degree M1

TO GET THERE

The first year of the Master's in Urban Engineering is open to students who have completed 180 ECTS (Licence degree level) in the fields of urban engineering, engineering sciences, urban geography, urban planning, development, environment, architecture, etc.

ACQUIRED SKILLS

The Master's in Urban Engineering aims to train professionals capable of understanding and accounting for the transversal and multidisciplinary issues encountered by cities nowadays. The course structure features a first year of core modules, M1 in Urban Engineering, and two M2 programmes: Sustainable Urban Development and Engineering for Architectural and Urban Project Management.

The M1 in Urban Engineering aims to provide students with a foundation of knowledge and skills around the design, development and management of cities, at different levels, including construction, district and territory level. Within this framework, the course covers how the urban system and its sub-systems work, as well as current challenges around their design, creation and management. The course also aims to provide knowledge around urban stakeholders, their decision-making process and the technical, legal, economic and organisational systems used.

YOUR FUTURE CAREER

Students who complete the M1 can be admitted to one of the two programmes of the M2 in Urban Engineering. The programmes differ in their subjects, scales and timelines.
The Sustainable Urban Development programme aims to train professionals capable of addressing urban and environmental challenges for the cities of the future (adapting to climate change, resilience, flow management, digital technology, etc.) at different levels (district, city, territory). It prepares graduates for the following roles: project manager, survey engineer, operations manager, research officer, etc. The main employers are local and territorial authorities, planners, environmental service companies, urban and architectural programming and project management agencies, engineering companies, design offices and public companies.

The Engineering for Architectural and Urban Project Management programme aims to provide and strengthen the knowledge and skills of a construction and development project manager, particularly at the construction and district level. It prepares graduates for the following roles: project manager, survey engineer, business manager, research officer, site manager, works manager, etc. The main employers are engineering companies, construction companies, local authorities and developers.
Graduates of either programme can also pursue their studies with a PhD thesis.

BENEFITS OF THE PROGRAM

The Master's in Urban Engineering is particularly connected to the professional world, both through the composition of the teaching team and the course's pedagogical practices (work/study format, workshops, overseas study experiences, etc.). It benefits from the network of professionals that each year the course's graduates join, as has been the case for over 20 years.

More information

PROGRAM

SEMESTER 1

UE1 : Systèmes et techniques urbains (ECTS:14)
- Gestion des eaux
- Ville souterraine
- Ville et énergie
- Confort dans les espaces urbains
- Ouvrages et équipements urbains

UE2 : Acteurs et territoires (ECTS:12)
- Génie Urbain dans les pays en développement
- Programmation, aménagement et génie urbain - 1
- Ecologie urbaine
- Risques naturels et industriels

UE3 : Ville et outils numériques (ECTS:2)
UE4 : Anglais 1 (ECTS:2)

SEMESTER 2

UE5 : Outils et méthodes pour le génie urbain et l'urbanisme (ECTS:9)
- Aide à la décision
- Outils économiques et juridiques pour la commande publique
- Aménagement opérationnel

UE6 : Projets d'aménagement urbain (ECTS:16)
- Programmation, aménagement et génie urbain - 2
- Projet d'aménagement et génie urbain
- Formation à la recherche

UE7 : Stage (ECTS:3)
UE8: Anglais 2 (ECTS:2)