Université Gustave Eiffel

Field of study Sciences and engineering

Training available in

Apprenticeship	Initial training
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 - Bâtiment Copernic 5 Boulevard Descartes 77420 Champs-sur-Marne

Calendar :
Work placement in M2 from April on (15 ECTS, four months min.). Work-study programme: One week at university, one week at a company.

Contacts :
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CURE Olivier (M2)
Academic coordinator

VANTIEGHEM Nicolas (M2)
Academic secretary
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SOLTANI Amel
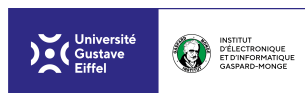Gestionnaire VAE
vae@univ-eiffel.fr

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'ELECTRONIQUE ET D'INFORMATIQUE GASPARD-MONGE

CFA Descartes

Master's degree Computer Science Software and data engineering

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

Admission is based on the student's application. Admission to M2 requires four years of higher education after a high school diploma, or equivalent.

ACQUIRED SKILLS

The course delivers skills in software development and IT project management.
Graduates of the Master's in Software are proficient with cutting-edge technology, including Java EE, Android, big data, and Scala. They have practical experience from tutorials and software development projects.
The optional units each target an area (big data, operating systems, linguistic engineering, artificial intelligence and robotics) in which a research and technological innovation project is implemented.

YOUR FUTURE CAREER

There is a wide range of professional opportunities, both in terms of sector of activity and type of job. They range from application development to information systems management.
It is also possible to pursue a PhD at the university's doctoral school.

BENEFITS OF THE PROGRAM

This course combines training in the software technology most valued by businesses and advanced classes leading to research professions. It draws on the skills of a renowned research team and is supported by the Bézout Labex. A large part of the course is project-based training.

More information

PROGRAM

SEMESTER 3

Application d'entreprise front-end (ECTS:3)
Application d'entreprise Back-end (ECTS:4)
English (ECTS:3)
Generic programming in C ++ (ECTS:3)
SCALA functional programming (ECTS:3)
Design Paterns (ECTS:2)
Machines Virtuelles (ECTS:2)
Rest, Transactions & Services Web (ECTS:2)
Cloud computing and distributed computation with MapReduce (ECTS:4)
Big data database systems (ECTS:4)

SEMESTER 4

Symbolique Artificial intelligence and reasoning (ECTS:4)
Concepts and tools for the data engineer (ECTS:3)
Introduction to data science and its tools (ECTS:3)
Internship (ECTS:15)
Communication (ECTS:2)
Gestion de projet agile (ECTS:3)