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 :

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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 — UFR MATHÉMATIQUES

UPEC — UNIVERSITÉ PARIS-EST CRÉTEIL VAL DE MARNE

Bachelor's degree Computer Science
Computer Science Health studies access option

DIPLÔME CONFÉRANT GRADE DE LICENCE CONTRÔLÉ PAR L'ÉTAT

UFR de Mathématiques (MATHS)

Bachelor's degree L1 L2

TO GET THERE

Target group: high school diploma holders. Expected skills: The high school diploma specialities required are Mathematics and Life and Earth Sciences or Digital and Computer Sciences. The Complementary Mathematics option is recommended.

ACQUIRED SKILLS

Acquisition of a sound scientific background in Computer Science and Health Sciences. Ability to apply a scientific approach. Presenting a project orally and in writing. In computer science: mastering the main types of representation of computer data, implementing an algorithmic solution in various programming languages, designing and maintaining a database and website. In Health Sciences: mastering the fundamental concepts needed to enter the second year of medical studies.

YOUR FUTURE CAREER

Admission (subject to selection) to the second year of medical studies (Medicine, Midwifery, Odontology, Pharmacy) at Université Paris-Est Créteil. Continuing on to a Licence in Computer Science, followed by a Master's degree in Computer Science.

BENEFITS OF THE PROGRAM

This programme offers access to medical courses while also enabling students to study for a Licence in Computer Science. During the Licence, students may apply twice for medical courses. The requirement for admission is to have passed the current undergraduate year, in particular the Health module. Candidates from the various Computer Science Health access option programmes are then selected on the basis of their average grade in the current undergraduate year and any oral exams. Health courses are taught by the University of Créteil and delivered online. Other courses take place on the Université Gustave Eiffel campus.

More information

PROGRAM

YEAR

ANALYSE
Calcul Différentiel et Intégral (ECTS:6)
Suites et Fonctions (ECTS:6)
ALGEBRE
Méthodologie (ECTS:6)
Algèbre 1 (ECTS:6)
INFORMATIQUE
Algorithmique et Programmation 1 (ECTS:9)
Algorithmique et Programmation 1 (approche par problèmes) (ECTS:9)
Projet Informatique 1 (ECTS:3)
Remédiation Informatique 1
Algorithmique et Programmation 2 (ECTS:5)
Algorithmique et Programmation 12(approche par problèmes) (ECTS:5)
Programmation Web (ECTS:5)
Projet Informatique 2 (ECTS:2)
Remédiation Informatique 2
COMPETENCES TRANSVERSES
Anglais 1 (ECTS:3)
Anglais 2 (ECTS:3)
Physique 1 (ECTS:3)
Electronique 1 (ECTS:3)
Italien 1 (ECTS:3)
Japonais 1 (ECTS:3)
Anglais renforcé 1 (ECTS:3)
Economie 1 (ECTS:3)
Atelier Ecriture 1 (ECTS:3)
Réchauffement climatique et transition énergétique : s'adapter et agir
(ECTS:3)
UE Libre (ECTS:3)

YEAR

MATHEMATIQUES
Algèbre linéaire 2 (ECTS:8)
Suites, séries, intégrales (ECTS:8)
Labo math-info (ECTS:3)
Fonctions de plusieurs variables – Courbes et surfaces (ECTS:8)
Suites séries de fonctions (ECTS:8)
Travaux pratiques encadrés probabilités ou équations différentielles
(ECTS:4)
COMPETENCES TRANSVERSALES
C2I (ECTS:4)
Anglais 1 (ECTS:4)
Anglais 2 (ECTS:4)
SANTE
SCIENCES BIOMEDICALES 1 (ECTS:3)
- Les tissus
- Le système immunitaire
- Les infections

SCIENCES BIOMEDICALES 2 (ECTS:3)
- Reproduction
- Pharmacologie
- Exploration et Imagerie

HUMANITES EN SANTE (ECTS:3)
- Bioéthique
- Epistémologie de la médecine
- Psychologie Médicale