Université Gustave Eiffel

Field of study <mark>Sciences and engineering</mark>

Training available in

| 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 :

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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

Bachelor's degree Mathematics
Mathematics and applications

DIPLÔME CONFÉRANT GRADE DE LICENCE CONTRÔLÉ PAR L'ÉTAT

UFR de Mathématiques (MATHS)

| Bachelor's degree L3 |

TO GET THERE
2nd Year or similar level of a graduate course in Mathematics

ACQUIRED SKILLS
Autonomy of reasoning, theoretical foundations necessary for abstract thought, command of fundamental concepts in analysis, algebra, probability and statistics, and geometry. Understanding and analysing a problem connected with mathematics, discussing the findings and setting up a model for a problem.

YOUR FUTURE CAREER
The Licence in Mathematics mainly leads to a Master's in Mathematics, either in Pure or Applied Mathematics, or in Actuarial Science. The major engineering schools also recruit students at the end of their 3-year degree, on the basis of results and competitive examination. At Université Gustave Eiffel, we offer further study in the Mathematics and Applications Master's programme, the Careers in Teaching, Education and Training Master's programme for those intending to go into teaching, and the Actuarial Science Master's programme.

BENEFITS OF THE PROGRAM
The degree in Mathematics is designed to provide students with the theoretical foundations and basic knowledge in the field together with a strong grounding in Computer Science. Because of its specific nature (teaching in two fields from the first year), it is an original course offering compared to traditional preparatory classes or general science degrees, for example. By the end of undergraduate studies, it gives students a very high level of knowledge and skills in mathematics and computer science.

More information

PROGRAM

SEMESTER 5

Topologie et calcul différentiel (ECTS:9)
Introduction à la théorie de l'intégration et probabilités (ECTS:9)
Mathématiques numériques et Python (ECTS:6)
Compléments d'algèbre linéaire et bilinéaire (ECTS:3)
Anglais (ECTS:3)

SEMESTER 6

Compléments d'intégration et analyse Hilbertienne (ECTS:6)
Analyse complexe (ECTS:6)
Algèbre (ECTS:6)
Statistiques (ECTS:6)
Equations différentielles ordinaires (ECTS:6)
Géométrie (ECTS:6)
Optimisation
Séminaire de licence (ECTS:3)
TPE (ECTS:3)