

Field of study **Sciences and engineering**

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 Lavoisier 5 Boulevard Descartes 77420 Champs-sur-Marne  
Lycée Jean Moulin

#### Calendar :

#### Contacts :

VINCENT Yannick  
Academic coordinator  
yannick.vincent@univ-eiffel.fr

Christine BIAS (L1-L2)  
Academic secretary  
christine.bias@univ-eiffel.fr  
Phone number : 01 60 95 72 22  
Building : BATIMENT LAVOISIER  
Office : 010

#### 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](mailto:sio@univ-eiffel.fr) / Tel : +33 1 60 95 76 76



## Preparatory classes Mathematics Preparatory class for higher education Jean Moulin



UFR de Mathématiques (MATHS)

Preparatory classes CPGE CPGE

#### TO GET THERE

For students from the new high school diploma programme, the required specialisation is Mathematics. The other recommended specialisation is a choice of: "Digital Science" or "Physical Science"; the Complementary Mathematics option is also recommended. For students from the old high school diploma programme, a Scientific Baccalaureate (S) is required. The expectations are as follows: Have scientific skills - Be able to communicate in French and in a foreign language - Have methodological and behavioural skills. You must demonstrate that you have good mastery of the main scientific skills targeted in the final year of high school.

#### ACQUIRED SKILLS

Scientific skills in mathematics, computer science and physics, L2 level (2nd year of degree).

General skills: academic work methodology, English (level required for engineering school), ability to draft reports, to work in a team, to orally present work undertaken, to use communication-specific software.

#### YOUR FUTURE CAREER

Scientific skills in mathematics, computer science and physics, L2 level (2nd year of degree).

General skills: academic work methodology, English (level required for engineering school), ability to draft reports, to work in a team, to orally present work undertaken, to use communication-specific software.

#### BENEFITS OF THE PROGRAM

Students are provided with tailored support by teachers at Lycée Jean Moulin. They have maths, physics and English tests on a weekly basis. (tests: oral questioning). They all complete supervised practical work and several projects in computer science and have practical work sessions in physics at ESIEE and at ENSG. Classes are held at the lycée or at the university. They benefit from a rich environment: Université Gustave Eiffel's mathematics (LAMA) and computer science (LIGM) research laboratories, the university library, sports facilities, the university restaurant, associations, etc. Educational monitoring is carried out collectively by all partners, including engineering schools. For years now, schools have been informing us of the excellent success stories of our past students.

More information



# PROGRAM

## SEMESTER 1

**Algorithmique et Programmation 1** (ECTS:8)  
**Mathématiques S1** (ECTS:12)  
**Physique S1** (ECTS:6)  
**Anglais S1** (ECTS:2)  
**Français S1** (ECTS:2)

## SEMESTER 2

**Algorithmique et Programmation 2** (ECTS:5)  
**Mathématiques S2** (ECTS:10)  
**Physique S2** (ECTS:10)  
**Anglais S2** (ECTS:1)  
**Français S2** (ECTS:1)  
**TPE** (ECTS:3)

## SEMESTER 1

**SUITES, SERIES, INTEGRALES** (ECTS:6)  
**ALGEBRE LINEAIRE 2** (ECTS:6)  
**BASE DE DONNEES** (ECTS:6)  
**Mathématiques S3** (ECTS:2)  
**Physique S3** (ECTS:8)  
**Anglais S3** (ECTS:1)  
**Français S3** (ECTS:1)

## SEMESTER 2

**SUITES SERIES DE FONCTIONS, INTEGRALE GENERALISEE** (ECTS:6)  
**FONCTIONS DE PLUSIEURS VARIABLES** (ECTS:6)  
**Mathématiques S4** (ECTS:4)  
**Physique S4** (ECTS:8)  
**Anglais S4** (ECTS:3)  
**Français S4** (ECTS:3)