

# SUMMER SCHOOL BIM FOR SUSTAINABLE CONSTRUCTION

## FOLLOW THE CESI SUMMER SCHOOL AND GET INVOLVED IN THE ECOLOGICAL TRANSITION

### Introduction

Aimed at French and international students pursuing their studies in the field of engineering, the Summer School is a program that immerses its participants at the heart of the challenges of sustainable construction in a smart city.

Its objective is to enable reflection, exchange and sharing between French and international students from all backgrounds on the contribution of themes linked to sustainable development such as BIM, Smart Cities, eco-district and de-carbonization.

This Summer School not only allows you to discover new approaches and technologies, but also offers you conferences and practical work taught by recognized experts in their field. Cultural visits to companies, laboratories and emblematic sites will complete the program.

### Learning objectives

Understanding climate issues with the climate fresco and circular economy

Common thread project which revolves around BIM "Building Information Modeling" simulation and Smart building

Fablab 3D, AR/VR, Biomimicry, Practical work at the City of Water and Sanitation to be confirmed (Impacts of climate change on water management in urban areas)

### STUDENT

**Duration :** 10 days  
on 2 weeks

**Code :** Summer School BIM

### Eligibility

French and international students pursuing their studies in the field of engineering

### Admission requirements

- French and international students, pursuing their higher studies in engineering at the end of their Bachelor program (or equivalent) and who wish to develop their experience in the field of eco-construction. Masters and Ph.D students are also admitted. A B1 level in English is necessary to follow the program and good academic results in fundamental scientific subjects are required.

### Enrollment

- For applying to the CESI Summer School, your application file must include:
  - a cover letter
  - a CV
  - an identity document
- Apply before 15 June 2025 by sending your application.

### Academic calendar

Full-time

### Scholarship

1 000 euros

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This price includes tuition fees, teaching materials and cultural visits. Accommodation, living expenses and insurance are not included.

Group rate and preferential rate if registration before March 31, 2025: contact the campus.

## **OBJECTIVES**

Raising awareness of tomorrow's challenges linked to the ecological and digital transition: BIM, smart cities, eco-district and de-carbonization

## **PEDAGOGY**

### **Completed Projects**

The Summer School is based around BIM "Building Information Modeling" simulation and Smart building.

Common thread projects:

- BIM for sustainable construction project
- Fablab 3D, AR/VR
- Practical work at La Cité de l'Eau et de l'Assainissement to be confirmed (impacts of climate change on water management in urban areas)
- Dive into Parisian architecture: from depths to summits

### **Evaluation**

Applicants who successfully conclude the Summer School will receive, after a project presentation, a certificate of achievement stating that they have obtained 3 ECTS credits. A participation and attendance certificate will also be given at the end of the program.



Follow a two-week program in France, from July 7 to 18, to develop and deepen your knowledge in BIM for sustainable construction, the future of Smart Cities:

- Evolve and study in English in an international environment,
- Discover and deepen construction techniques using BIM modeling and 3D printing
- Discover new scientific and professional approaches,
- Discover "French Tech"
- Participate in cultural and technical visits to Paris (eco-neighborhoods, businesses, laboratories, etc.)
- Attend conferences on climate issues and de-carbonation
- Discover Paris and benefit from a cultural immersion in France

## **JOIN CESI AND LIVE A UNIQUE EXPERIENCE IN FRANCE**

Visit our website for opening dates

Paris - Nanterre

Open from July 7 to 18, 2025 (limited places).