

SUMMER SCHOOL «GENERATIVE ARTIFICIAL INTELLIGENCE (GENAI) FOR INDUSTRY»

ATTEND THE CESI SUMMER SCHOOL AND GET INVOLVED IN TOMORROW'S MAJOR CHALLENGES LINKED TO GENERATIVE AI

Introduction

Aimed at French and international students who are studying computer science and industrial engineering, the Summer School is a training programme that immerses participants in the heart of the generative AI challenges in Industry 5.0 and the factory of tomorrow.

Its goal is to allow reflection, exchange and sharing among French and international students from all backgrounds on inputs linked to new models of generative AI and the development of new AI tools.

This Summer School will not only allow you to discover new approaches and technologies of generative AI and its industrial applications, but will also offer you practical work conducted by renowned experts in their field.

Cultural visits to companies, laboratories and emblematic locations will complete the Program.

Learning objectives

Understanding the challenges of generative AI and its industrial applications

Understanding the challenges of generative AI (climate, environment, energy, ethics, responsibility, etc.)

This common thread project, with a case study, focuses on generative AI and its fundamental models for industrial applications in human-machine interaction, computer vision and quality control in an industrial process, etc.

Practical work on generative AI for the industrial revolution

Fablab 3D, AR/VR

STUDENT

Duration : 09 days

on 2 weeks

Code : Summer School GenAI

Admission requirements

- French and international students who are concluding their Bachelor's Degree (or equivalent) in computer science and industrial engineering
- Master and PhD students are also admitted
- A B1 level in English is required with good academic results in the basic scientific subjects (linear algebra, programming skills, Pytorch, Tensorflow and Keras)
- Skills in Python and programming are required. If you're not familiar with Python, you'll need to learn the basics before the Summer School starts.

Enrollment

- French and international students who are studying in the field of engineering

Academic calendar

Full-time

Scholarship

1 000 euros

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 related to generative AI, and all the major topics of Foundation Models and Linguistic Models (LLM), Deep Learning (DL), Machine Learning (ML) for industrial applications, of course, but also Natural Language Processing (NLP), the DL/ML revolution, and computer vision for industrial applications.

PEDAGOGY

Completed Projects

The Summer School revolves around generative AI.

Common thread projects:

- Generative AI project and its fundamental models for industrial application in human-machine interactions, computer vision and quality control in an industrial process, etc.
- Practical work on generative AI for the industrial revolution

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.



Attend a two-week programme in France, from 7 to 18 July 2025, to develop and deepen your knowledge in generative AI for Industry 5.0:

- Evolve and study in English in an intercultural environment,
- Discover and deepen generative AI techniques and their industrial applications
- Discover new scientific and professional approaches to generative AI (Prompt Engineering and Generative AI models)
- Discover the "French Tech"
- Participate in cultural and technical visits in Nice (eco-neighbourhoods, companies, laboratories, etc.)
- Discover Nice, the capital of Côte d'Azur, and benefit from cultural immersion in France

JOIN CESI AND LIVE A UNIQUE EXPERIENCE IN FRANCE

Visit our website for opening dates

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