MASTER'S DEGREE IN COMPUTER SCIENCE

GET THE FRENCH DIPLOME D'INGÉNIEUR, IN OUR 2-YEAR ENGLISH PROGRAM

Introduction

The current digital transition of companies is leading to major developments in information systems (security, access to data, cloud computing) and new uses of IT (BYOD, remote work etc.). You will use your technical and scientific skills in this environment to carry out computer science projects. At the end of this course, you will have everything you need to move forward in your profession, manage large-scale projects. In addition to your technical and scientific skills, you will also be equipped with human skills that will help you build and manage a team. Your ability to adapt will allow you to accelerate your career development towards positions involving great responsibility

Career options

Three majors are offered depending on the campus: Systems networks & Cybersecurity; Data Science & Artificial Intelligence; Embedded Systems & IoT.
In the second year, students may choose two distributed options from the following fields of expertise: Digital Challenges, Augmented Reality/ Virtual Reality, Data Scientist & Big Data, Cybersecurity, Robotics, Sustainable Management and Strategy, Business Unit Manager, Action for a Resilient Society, Innovation, Entrepreneurship, Prototyping, Research.
The list of concentrations offered depends on the campus.

Learning objectives

Technical skills: Having a perfect mastery of information systems and their security, you will be capable of developing system and distributed programs, modelling and implementing optimization algorithms or managing complex production environments that potentially use artificial intelligence. You will also be able to connect and automate smart devices.

Soft skills: Acting as interlocutor of many stakeholders, they show availability, organization, anticipation and diplomacy. Their ability to communicate is essential in contexts that involve exchanging reliable information, and the need for agility.

Career opportunities

- Big Data Engineer
- Data Scientist / Data Miner
- Robot Coach
- IT Project Manager
- Information Systems Architect / Network Architect
- Cybersecurity Engineer
- Research & Development Engineer
- Robotics Engineer
- Embedded Systems / IoT Engineer

Presentation

CESI offers a Master's Degree in Computer Science, accessible to international students wishing to pursue their engineering studies in France. You will follow a 2-year, high-level program, provided only in English, and accredited by the Commission of Engineering Certifications (CTI). The major chosen for the 1st year will allow you to specialize, and will be completed by 2 areas of concentration during the 2nd year.

MASTER'S DEGREE

Ingénieur diplômé du CESI spécialité Informatique

STUDENT

Code : MasterDegreeCS4A(PA)
CodeRncp : RNCP40612
CodeCpf_FNG : 245601

Eligibility

Students wishing to study a program in English at a French engineers school, after an academic career in higher education abroad

Admission requirements

- Holding an international Bachelor's Degree diploma or equivalent
- Having A2 level in French (required)
- Having B1 level in English (required) - refresher courses available

Academic calendar

Full-time 2-year program, including periods of professional internship
The 2nd year can be done under a work-study contract.

Tuition fees

8 500 euros per year

Price applicable for the 2026 school year.

Edition : 10/05/26

OBJECTIVES

Designing digital applications that meet a customer's needs
Having a good command of programming languages to develop and maintain software solutions for all kinds of professional or consumer applications
Designing, developing and maintaining architectures capable of safeguarding public or private network communications
Upgrading existing information systems to the expected level of performance according to technical and technological developments
Managing and using data to derive useful information for the company's development
Ensuring the digital transition of companies by proposing solutions adapted to efficiency and sustainable development requirements

PEDAGOGY

Completed Projects

Preparing a secure platform in a distributed environment
Proposing unified communication system using optimised and secure networks
Mapping migration and administration of an information system
Developing system-level object-oriented application
Modelling and designing database systems in a Big Data environment
Solving an optimisation and decision-making (advanced algorithmic) problem
Using artificial intelligence to improve a statistics-based model

Evaluation

Evaluated under continuous assessment, the educational program is structured into different Learning Units. Each unit corresponds to a given number of ECTS credits. One year is equivalent to 60 credits. Students must have passed all their learning units and obtained their ECTS credits for progressing to the next academic year.
The conditions for being awarded a degree are as follows:
- Pass all of the Course Units, thus obtaining 120 credits over the two years of the program
- Obtain a B2 level certification in English and a B1 level certification in French
- Complete a cumulative period of at least 28 weeks at a company

Diploma recognized by the state: accreditation by the Commission of Engineering Certifications
International recognition
Diverse experience in the professional world thanks to internship periods (28 weeks)
Program in English
Personalized support program from the moment you arrive in France
Eduniversal 2024 rankings: 5th in the Top 10 of the Bachelor's Degree ranking for Engineering Schools and Schools specializing in Computer Science and Digital Science - Postgraduate Studies 2024
"Bienvenue en France" [Welcome to France] Label
Professional training contract: alternating periods of business/school, salaried employee status at company (with corresponding remuneration) and program paid for (no tuition fees).

ENROLLMENT

- Academic record and motivational interview
- Application on cesi.fr (CV, cover letter, school reports from the current year and previous years, transcript of grades, higher education diplomas, certificate for the current year)
- Certificate of English level B1

JOIN CESI. LIVE A UNIQUE EXPERIENCE IN FRANCE.

Visit our website for opening dates

Lille, Lyon, Paris - Nanterre, Rouen, Strasbourg, Toulouse

Back to school on 14 September 2026

Edition : 10/05/26

Cti Commission des titres d'ingénieur

DIPLÔME D'INGÉNIEUR CONTRÔLÉ PAR L'ÉTAT