

# BACHELOR OF SCIENCE IN COMPUTER SCIENCE

# BECOME INTERNATIONAL EXPERTS IN COMPUTER SCIENCE

PROGRAM  
100 %  
In English



Newly launched in 2023



State-recognized Bachelor degree  
providing Licence degree

2024/2025

# EPITA'S WORLD

## TRAIN THE ARCHITECTS OF THE DIGITAL WORLD

As a member of France's leading private higher education group in France (IONIS), EPITA is committed to an inventive educational project that is always renewed by the aspiration to help each student succeed, by unleashing their intelligence, creativity, and energy.

Since its establishment in 1984, EPITA has been at the forefront of innovation: a pioneer in both project-based teaching (its famous intensive bootcamp "pool" has become a benchmark in IT training) and immersion in the corporate world. It relies on an outstanding technical infrastructure operated for and by students, thanks to the "assistants" who forge bonds between the classes. The School's commitment to openness is reflected in its strong international focus: this is why a new Bachelor of Science in Computer Science program is being offered from 2023 onwards, accredited by the Commission des Titres d'Ingénieur (CTI) as a Licence degree. EPITA promotes interculturality on its campuses, where more than 60 nationalities rub shoulders on a daily basis. Furthermore, we encourage the students to travel around the world thanks to our extensive network of academic partners on five continents.

## EPITA FOR EACH AND EVERYONE

EPITA is renowned for the quality of its Computer Science engineering training, its very high standards, the exceptional expertise of its graduates in all aspects of software engineering and their autonomy with regard to the technologies deployed, of which they have a perfect command.

It has extended its training offer beyond the CTI-recognized engineering diploma. To all those who wish to benefit from the excellence of its reputation, it now offers training courses adapted to their level of study or to their professional aspirations, all of which meet the needs of the most in-demand job markets.

In 2014, the School created the Executive Education Department, set up its an apprenticeship center, and in 2021 launched a Bachelor's degree in Cyber Security. Then starting from September 2022, the EPITA AI & Data Institute offers an undergraduate program dedicated to Artificial Intelligence. In 2023, EPITA is launching a Bachelor of Science in Computer Science, accredited as a Licence degree, to meet the ever-growing demand for full-stack software developers in France and abroad.

 **The Bachelor of Science in Computer Science program immerses students in a 100% international, English-speaking environment.**



# 5 Reasons to Choose EPITA

Information Technology: a science, an art, and a passion.



A **career-oriented curriculum** to develop your technical and management skills.

**Learning by doing pedagogical approach**, key to meeting today's world challenges, is at the core of our programs.



Program taught **100 % in English.**



A **multicultural** environment certified by the **Bienvenue en France** label, with over 67 nationalities on our campus.



Access to **personalized student services** (assistance with administrative formalities and extra-curricular activities).

An excellent academic staff, with **50% international professors.**



# The program

The EPITA Bachelor of Science in Computer Science (BSc CS) program allows students to acquire the theoretical and technical foundation that will enable them to become accomplished developers (back-end, front-end, full-stack). You'll be fully immersed in an international learning environment throughout the program. As future professionals, you'll be able to meet all the challenges of application development encountered in French and international companies. The Bachelor's program, open to both French and international students, is taught entirely in English. This 3-year program includes a 2-month business discovery internship, and a semester-long (6 months) end-of-studies internship in a French or international company.

## Course content overview

Full stack developers who graduate from the BSc CS program will acquire the following state-of-the-art skills:

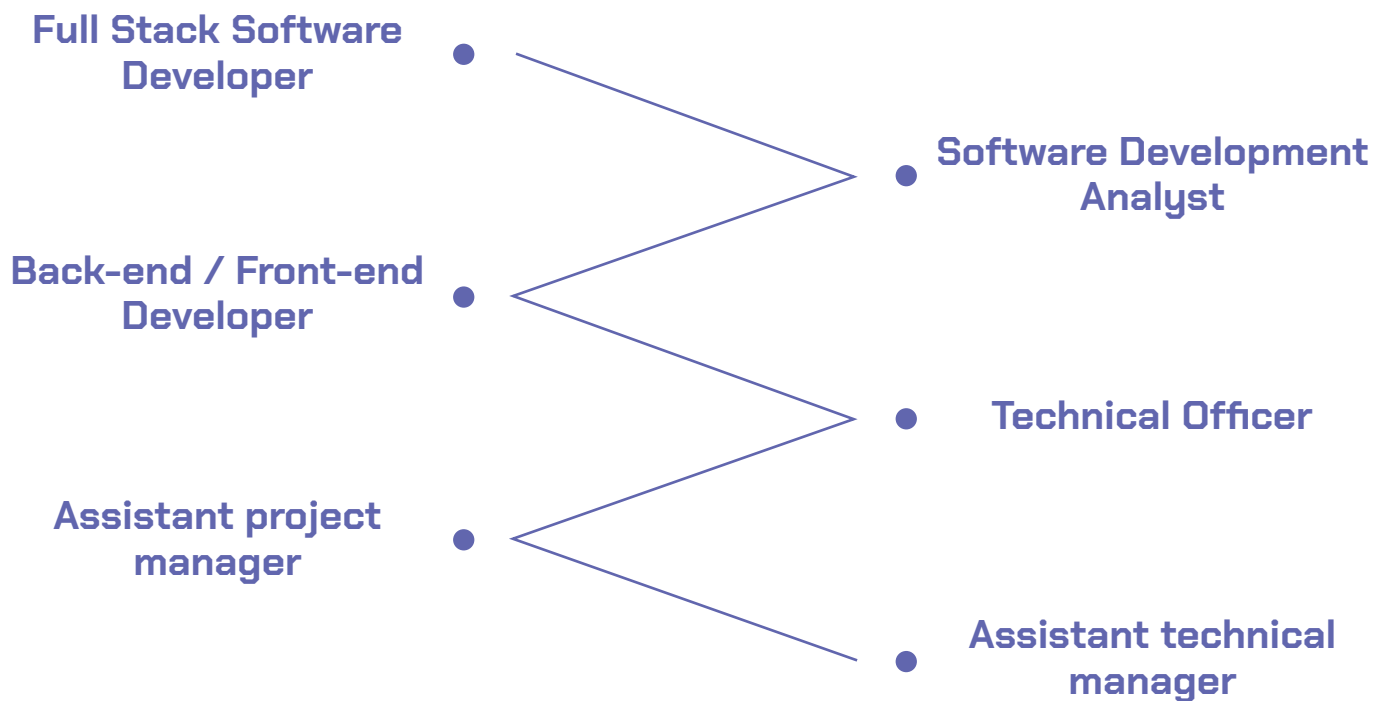
- Programming skills in the most popular technologies (Python, Java, Javascript, C#), that conform to industry standards;
- Data management (SQL, NoSQL);
- General understanding of Information Systems (operating systems, corporate networks);
- Computer security at the heart of application design;
- Social responsibility, ensuring that developers are aware of social and environmental imperatives, particularly in terms of energy efficiency.

|           |  |
|-----------|--|
| <b>S1</b> | Acquiring fundamental developer skills: right from the start, students are taught the different components of an application: web development, Python development and databases.   |
| <b>S2</b> | Reinforcing development skills: the same topics are covered in greater depth throughout Semester 2, which ends with a two-month "business discovery" internship. Students can also use this internship period to gain an initial development experience.   |
| <b>S3</b> | Diversifying skills: after working on the common core (Python-web-databases), students gradually discover other ways of building applications, including advanced Java and JavaScript languages (reactive web processing). Cross-disciplinary skills are also introduced, such as project management and the basics of collaborative work, notably with Git. |
| <b>S4</b> | Developing software industrialization skills: Students are given an initial introduction to mobile application development.  |
| <b>S5</b> | Full stack complement: students consolidate their training in graphical application development through "front-end" frameworks and the adoption of the devOps approach.  |
| <b>S6</b> | 6-month "full-stack developer" internship: Students undertake an internship in development ("front", "back" or "full-stack") to validate their studies.  |

# Career opportunities

The EPITA Bachelor of Science in Computer Science (BSc CS) paves the way for bright careers in France and abroad, thanks to its strong international dimension in a sector undergoing rapid economic development. It trains highly employable graduates who have access to evolutive positions.

Graduates could, for example, choose one of the following career options after obtaining their Bachelor's degree:



The BSc CS program allows students to acquire the theoretical, technical, and managerial foundation that will enable them to become accomplished developers.

Information technology is at the heart of all economic, environmental, and social issues and demand is growing rapidly in companies and government departments. It is also a field that encourages entrepreneurship, so why not create one's own start-up?

The future professionals graduating from this program will be able to meet all the challenges of application development encountered in companies in France and abroad, thanks to our intensive learning by doing approach.

# How to apply?

## Candidates are selected according to four key criteria:

- Strong, well-argued motivation to work in the field of technology;
- Scientific level corresponding to the entry requirements of the program;
- English level compatible with an all-English training program;
- Open-mindedness, intellectual curiosity, and communication skills.

 ► **For applicants from France or French high schools:**  
→ **Join the Parcoursup procedure**



 ► **For international applicants** → **on the EPITA portal before July 31**

Simply enter your personal details on the EPITA application portal and upload the following documents:

- CV
- Passeport
- Scanned copy of certified High School transcripts
- Scanned copy of certified High School certificate
- 2 letters of recommendation
- TOEFL (80 IBT), TOEIC (800) ou IELTS (6.0), if the applicants' native language or the language of instruction of their school is not English
- Motivation letter

### ► **For applicants from France, French high schools, and overseas**

#### • **Mathematics Test**

The purpose of the test is to check whether candidates have sufficient mathematical knowledge to follow EPITA's computer science and engineering program. Candidates will be invited via the e-mail address they have provided on Parcoursup platform or EPITA portal.

#### • **Interview**

The interview enables the jury to assess the motivation, academic background, and English language skills of candidates. A link to an online interview platform is sent to candidates after the math test. Candidates will have to answer pre-recorded questions in English.

<https://www.epita.fr/en/admissions/>

# Come and meet us



## HOUSING AND CATERING

### Studapart Plateforme logement

Studapart Housing platform

To simplify your housing search, the School and its partner Studapart have set up an internet platform dedicated to housing and reserved for EPITA students, on which you will find, in France and abroad:

- student residences,
- shared flats,
- studios offered by private individuals or agencies.

### Catering

The campus has its own cafeteria where students can have different meals varying from breakfast to lunch at attractive prices. Numerous restaurants and bakeries are located near the School, often offering discounted student menus.

## EPITA CAMPUS - LE KREMLIN-BICÊTRE

The Paris campus is accessible 24/7.

It's a place where students of all backgrounds, professors, researchers and business professionals can share skills and experiences, and where the cultures of over 60 nationalities and more than 40 student associations come together.

## OPEN DAYS (JPO) AND IMMERSION DAYS (JDMI)

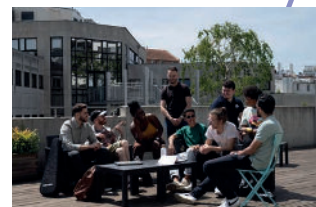
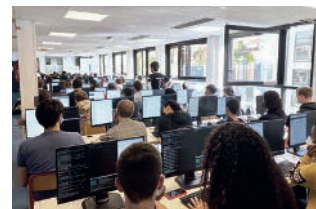
Discover the School, meet students and teaching staff.

## STUDENT FAIRS

Get your first insight into our various courses at student fairs in Paris, different regions in France, and abroad.



Dates  
of upcoming  
events



## CONTACTS

### EPITA – International Programs

14-16 rue Voltaire  
94270 Le Kremlin-Bicêtre  
Tél : +33 (0) 1 84 07 16 17

Email : [international.admissions@epita.fr](mailto:international.admissions@epita.fr)

### PRACTICAL INFORMATION:

- 7 places offered on Parcoursup

#### September 2024 academic year:

- Admission only in year 1
- Tuition fees: €10,400\* for 1<sup>st</sup> year, then €9,900 for 2<sup>nd</sup> and 3<sup>rd</sup> year + €60 application fee

*\* includes: international pack with individualized international services and numerous activities.*

## CONTACT US



[www.epita.fr/en](http://www.epita.fr/en)

Find us on



IONIS Education Group was founded by Marc Sellam in 1980. Today, it is France's leading private higher education group, with some 29 schools and educational institutions in 27 cities in France and abroad. The Group serves more than 35,000 students in business, marketing, communication, management, finance, IT, digital applications, aeronautics, energy, transportation, biology, design, and more.

IONIS Education Group's mission is to train the next generation of business intelligence leaders; our students are constantly challenged to cultivate an international perspective, to maintain an innovative and entrepreneurial mindset, and to promote a culture of adaptability and change. This positions our students, and our 100,000 alumni, as key players in future economy.

[www.ionis-group.com](http://www.ionis-group.com)