EPITA
SCHOOL OF ENGINEERING & COMPUTER SCIENCE

Cti
Commission des titres d'ingénieur

BACHELOR of Science in Computer Science

BSc

- Endorsed by French & international companies
- Program dedicated to computer science & numerical sciences
- Learning through doing
- Multi-cultural educational environment
- Accredited by the CTI *(Commission des Titres d'Ingénieur)*

In Paris | 100% English | 3 years | 1 Intake Sept

The 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).

+ **A career-oriented curriculum to develop technical and management skills through regular individual and group projects**
+ **Hands-on internships that permit to gain real-life professional exposure**
+ **Opportunities to acquire problem-solving skills and a global mindset**

Program

Bachelor 1		Bachelor 2		Bachelor 3	
Sem. 1 (S1)	Sem. 2 (S2)	Sem. 3 (S3)	Sem. 4 (S4)	Sem. 5 (S5)	Sem. 6 (S6)
30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS
Oct to Feb	Mar to Jul	Sep to Jan	Feb to Jul	Sep to Jan	Feb to Sep

Master 1	Master 2
Students enrolled in this program can pursue a Master of Science program.	

STAY IN TOUCH with us

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Learning Objectives

The heart of the program is to enable students to meet all the challenges of application development and to take up evolutive positions in French and international companies.

Internship salary:
1000-1200 € monthly

Application

Requirements

- Scientific High School Degree with solid mathematics and general sciences background

Fees

- Tuition fees per year: 9900 €/per year + 500 € International Student Pack
- Application fees: 60 €

Deadline

31st of July
(September Intake)

Procedure

APPLY ONLINE www.epita.fr/en

1. Validation of the candidacy
2. Math test
3. Online interview
4. Admission results

Status of an application is communicated by **email during each phase of the procedure.**

Checklist

- Resume
- Passport
- Official High School transcripts
- Certified copy of the High School certificate
- 2 letters of recommendation
- TOEFL 80, TOEIC 800 or IELTS 6.0
- Motivation letter

Program Outline

	Teaching Unit	Course	
S1	Fundamental Mathematics	• Mathematics - Linear Algebra 1 • Numerical Applied Mathematics 1	• Mathematics - Probability and Statistics 1
	Digital Science Engineering - Languages	• Algorithms and Data Structures 1 • Introduction to Python Programming	• Introduction to Relational Database Design • Frontend Web Development • Project 1
	Humanities, Legal Science Communication	• Cultural Integration Workshop • General French/English 1	• Corporate social responsibility • Technical French/English 1
	Digital Science Engineering- Bases	• Software Architecture & Design • Introduction to Research Workshop 1	• Introduction to Microsoft Windows • Introduction to Linux
S2	Core Mathematics	• Mathematics - Linear Algebra 2 • Numerical Applied Mathematics 2	• Mathematics - Probability and Statistics 2
	Digital Science Engineering - Languages	• Algorithms and Data Structures 2 • Backend Web Development	• Python Programming • Designs Patterns: Python Application
	Humanities, Legal Science Communication	• General French/English 2 • Technical French/English 2 • Communication for the Company	
	Digital Science Engineering- Bases	• Introduction to Research Workshop 2 • Introduction to Computer Networks	• Shell Programming on Windows and Linux • Project 2 - First Application "Full Stack" (web + PHP + python)
	Internship	• 2-month Internship in a company	
S3	Mathematics & Fundamental Computer Science	• Mathematics - Mathematical Tools Applied to Computer Science • Distributed Architectures - Principles and Implementation	• Algorithm: Complexity & Optimization
	Digital Science Engineering - Languages	• Java Application Development • Python for Web Application	• Intermediate Relational Databases • Advanced Web Development
	Humanities, Legal Science Communication	• General French/English 3 • Technical French/English 3	• Project Management: Introduction and Tools
	Digital Science Engineering- Bases	• Introduction to Enterprise Networks • Software Security Principles • Version Control	
S4	Server-Side Programming	• Server-Side JavaScript • Introduction to NoSQL databases	• Microservices with Python • Relational Database Design for Production
	Client-Side Programming	• Advanced JavaScript Programming • Introduction to Mobile Development: Android	
	Humanities, Legal Science Communication	• General French/English 4 • Technical French/English 4 • Agile Fundamentals	
	Digital Science Engineering- Production	• IAM Fundamentals • Cloud Computing • Data Protection GDPR	• Software Integration • Project 3 - Operational Web Application
S5	Front-End Programming	• Microservices with Java • Microsoft / .NET C#	• Front-end Framework • Mobile Development: IOS
	Professional Development	• Final Project • End-to-end application realization	
	Humanities, Legal Science Communication	• General French/English 5 • Technical French/English 5	• Entrepreneurship • Tools for Career Development
	Digital Science Engineering- Production	• Monitoring • DevOps Approach • Web Security	
S6	Internship	• 6-month internship in a company	

BSc

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