# EPITA

SCHOOL OF ENGINEERING & COMPUTER SCIENCE
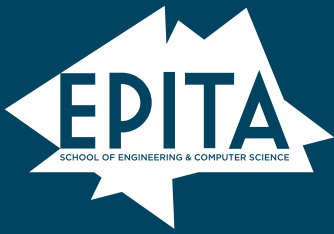
## MASTER of Science in Software Engineering

SE

CONFÉRENCE DES GRANDES ÉCOLES

MSc MASTER OF SCIENCE

▶ Endorsed by French & international companies
▶ Preparation for FullStack developers

▶ Learning through doing
▶ Multi-cultural educational environment
▶ Accredited by the CGE (Conférence des Grandes Écoles)
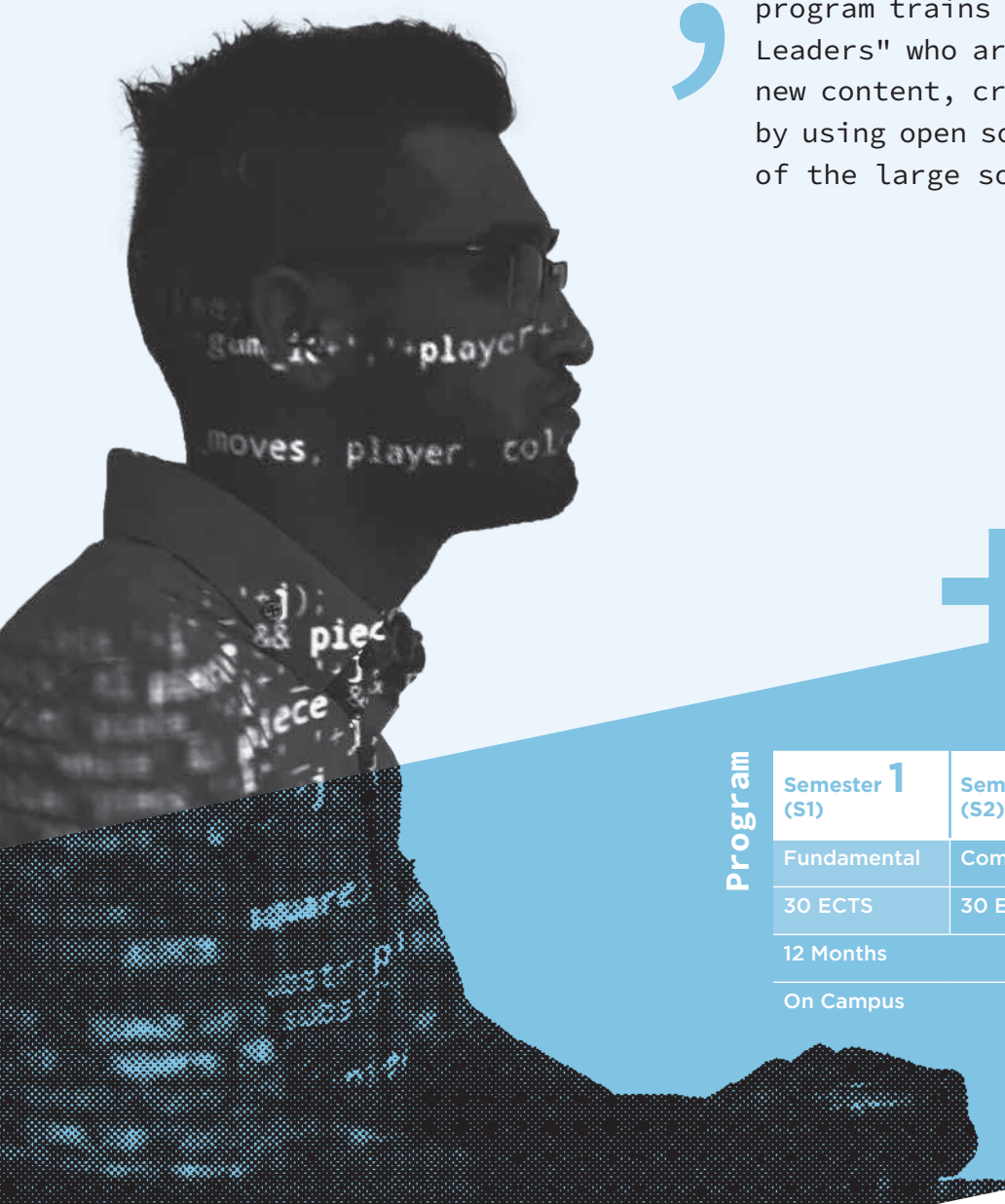
**In Paris**

**100% English**

**18 months full-time**

**2 Intakes Sept/March**

**The Master of Science in Computer Science – specialization Software Engineering** program trains students to become "Digital Leaders" who are able to innovate, propose new content, create new uses and services, by using open sources technologies or those of the large software publishers.

+ **Integrate into all economic sectors as an architect of new services and innovative site management**

+ **Technological rigor coupled with the capability of listening to others thus managing the human factors in new use situations**

## Program

| Semester 1 (S1) | Semester 2 (S2) | Semester 3 (S3) | Semester 4 (S4) |
|---|---|---|---|
| Fundamental | Common Core | Specialization | Internship |
| 30 ECTS | 30 ECTS | 30 ECTS | 30 ECTS |
| 12 Months | | | 6 Months |
| On Campus | | | In a Company |

**STAY IN TOUCH with us**

## Learning Objectives

The heart of this program is to teach students how to design, plan, develop, implement, test, and maintain qualified software and applications.

- ▶ **Startup Creation**
- ▶ **Developer**
- ▶ **Software Engineer**
- ▶ **Technical Manager**
- ▶ **Database Administrator**

Average salary:
**40K€** gross annually

Internship salary:
**1200-1500€** monthly

*EPITA, my gateway to master in software engineering has been an extraordinary chapter of growth and achievement. The comprehensive curriculum delved deep into advanced concepts while speaking French at professional level and sharpening my practical skills through this program and its internships.*

*The renowned faculty fostered an environment of intellectual curiosity and mentorship, guiding me towards greatness. Collaborating with diverse peers, I embraced teamwork and developed invaluable communication skills.*

*EPITA provided the perfect launchpad for my career, equipping me with the knowledge, confidence, and network to excel in the competitive tech industry. Grateful for this transformative experience, I am now ready to make my mark as a skilled software engineer.*

**Adnan Ali KHAN**
Class of 2022
*From Pakistan*

## Application

### Requirements

- ▶ 4-year bachelor's degree or higher
- ▶ 3-year bachelor's degree with significant experience

### Fees

- ▶ Tuition fees: 14 760 €
- ▶ Application fees: 60 €

### Deadline

📅 **31st of July (September Intake)**
**15th of January (March Intake)**

### Procedure

**APPLY ONLINE** www.epita.fr/en

1 Validation of the candidacy

2 Online interview

3 Admission results

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

### Checklist

- ▶ Resume
- ▶ Passport
- ▶ Official university transcripts
- ▶ Certified copy of the bachelor's degree certificate
- ▶ 2 letters of recommendation
- ▶ TOEFL 80, TOEIC 800 or IELTS 6.0
- ▶ Motivation letter

Design: ✗ contact@JulieChahine.com  |  Credits photo: Adobe Stock©

## Program Outline

| | Teaching Unit | Course |
|---|---|---|
| **S1 Fundamental Semester (300 hours)** | Cultural Integration | • Cultural Integration Workshop<br>• General French (All levels)<br>• Managing the Culture Shock |
| | Advanced Management & Business Strategy | • Corporate Finance<br>• Communication for Leaders<br>• Project Management Principles<br>• Entreprise Essentials |
| | Technical Foundation | • Data Privacy by Design<br>• Digital Transformation<br>• Introduction to Block Chain & Bitcoin<br>• Introduction to Network Protocols & Architecture<br>• Technical Warmup |
| | Programming Skills | • Advanced Algorithmic<br>• Operating Systems: Unix<br>• Introduction to Python<br>• Relational Databases |
| **S2 Common Core Semester (300 hours)** | Advanced Management & Engineering Science | • Career Project Elaboration<br>• Digital Marketing and Social Media Strategy<br>• Green IT<br>• ITIL<br>• General French (All levels) |
| | Advanced Programming | • Advanced C<br>• Software & Database Security<br>• Android Initiation<br>• Introduction to iOS<br>• OOA & UML & Java |
| | Technical Foundation | • Python Week<br>• Cloud Computing using AWS |
| **S3 Specialization Semester (300 hours)** | Advanced Management & Engineering Science | • Cross-Border Management<br>• General French (All levels)<br>• Knowledge Management & Innovation |
| | Advanced Programming | • .Net and C# Programming<br>• Advanced Databases<br>• Advanced Java Programming<br>• Structured Data & Transportation |
| | Software Industrialization | • How to Use DevOps Approach<br>• Software Industrialization<br>• Software Quality Assurance<br>• Action Learning |
| | Advanced Web Technologies | • Advanced Javascript<br>• Web Applications Patterns<br>• General Front-end Development Principles<br>• Front-End Applications<br>• Progressive Web Applications |
| **S4** | Internship | • 6-month internship in a company |

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