



ARCHITECT OF DIGITAL TALENTS

EPITA



2026
2027

Image generated
by EPITA using AI

WELCOME TO EPITA

Founded in 1984, EPITA is a leading engineering school specializing in computer science and digital technologies. It educates students in eight technological fields including artificial intelligence and cybersecurity.

EPITA operates across seven campuses in France, supported by its research and innovation teams to provide innovative and practical solutions to major technological, industrial, economic, and societal challenges.

Since 2021, EPITA has been a mission-driven company. Its purpose is to educate individuals as key contributors to the digital transformation of society.



Our ambition is to give you the skills to pursue exciting professional careers in diverse sectors and around the world in order to deliver concrete, ethical, and responsible solutions that place digital technology in the hands of individuals.

Being a graduate of EPITA means benefiting from a unique and recognized mix of high level expertise in artificial intelligence, cybersecurity, and digital technologies supported by strong academic foundations and cutting-edge research, and combined with experiential learning through real-world situations to fully prepare each student for their future career.

Sylvain Goussot,
Executive Director of EPITA

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10,000
alumni



4,000
students



50
faculty researchers



124
partner universities
worldwide in 50+ countries



50
student associations



7
campuses in France (3 in
the Parisian metropolitan
area + Lyon, Strasbourg,
Toulouse, Rennes)



EPITA, A LEADING ENGINEERING SCHOOL IN COMPUTER SCIENCE



In the 2025 ranking of the top
Engineering schools in computer
science and top Bachelor's
degrees in Cybersecurity in
France.
LE FIGARO

TOP 10
2025 ranking
of Engineering
schools in computer
science in France.
l'Étudiant

95% of companies
recommend EPITA graduates*
*EPITA IPOS 2024 survey



RECOGNIZED EXPERTISE IN CUTTING-EDGE TECHNOLOGIES



Cybersecurity

Protection of sensitive data, resilience of critical infrastructures, embedded cybersecurity, advanced cryptography.



Artificial Intelligence

Design of complex algorithms, automatic language processing, computer vision, augmented decision-making.



Images & Vision

Analysis of medical and environmental images, pattern recognition, embedded vision, autonomous navigation.



Internet of Things (IoT)

Secure connected devices, distributed architecture, edge computing, 5G/6G network protocols, smart cities.



Quantum Computing

Post-quantum cryptography, modeling of complex systems, high-performance computing, quantum AI.



Healthcare

Support for diagnosis, biomedical data modeling, predictive and personalized medicine.



Digital Transformation

Information systems architecture, change management, information systems cybersecurity, sovereign cloud, governance.



Responsible Digital

Sustainable technologies, digital inclusion, accessibility, technological sovereignty.

APPLIED RESEARCH

TO SUPPORT EDUCATION



50

Research Professors
within EPITA's
Research Laboratory



10 professors
accredited to
supervise research



More than 30
PhD candidates



More than 50 articles in leading
conferences and journals since 2023, including
20 publications at highly selective venues

5 RESEARCH TEAMS



Artificial
Intelligence

Image Processing
and Pattern
Recognition

Security
and Systems

Automated
Systems and
Applications

Numerical
Methods in the
Human and Social
Sciences

FUTURE-ORIENTED PROJECTS

ADDRESSING CONTEMPORARY CHALLENGES

Each research project, carried out by EPITA's researchers, embodies a concrete response to contemporary challenges such as cybersecurity, artificial intelligence, and digital transition. These visible and shareable advances engage students to help train the engineers of tomorrow and shape the world to come.

APATE

Tracking **deepfake audio**

The APATE project develops AI tools capable of detecting synthetic voices through fine-grained analysis of acoustic and linguistic signals. A response to growing risks of manipulation.

PANDORA

Understanding **neural networks work, which are widely used in healthcare and chemistry.**

PANDORA designs methods to explain how **GNNs (Graph Neural Networks)** work. Objective: make predictions more reliable and better detect bias.

DECIDON

AI and **parliamentary debates**

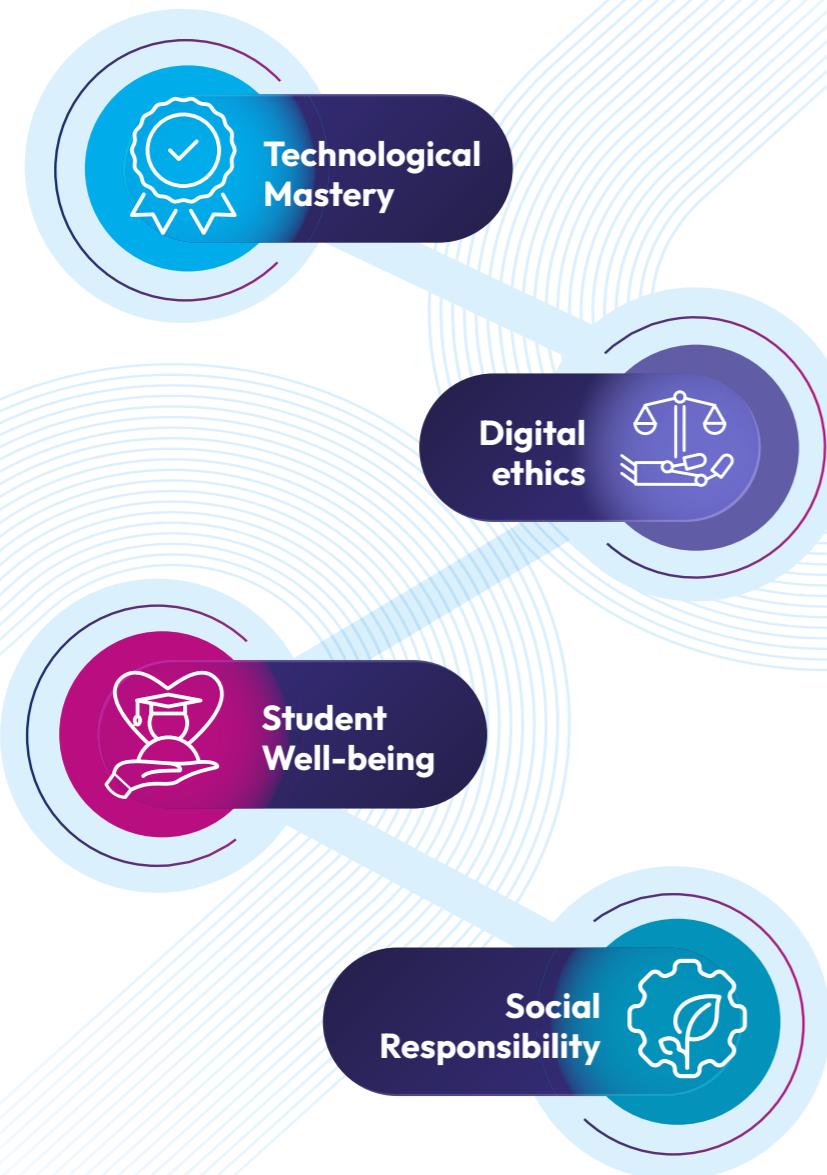
DECIDON analyzes two centuries of French political discourse using language models, **combining natural language processing and social sciences** to clarify the invisible logics that influence public debates.



EPITA'S COMMITMENTS

TECHNOLOGICAL EXCELLENCE AND SOCIAL RESPONSIBILITY

A mission-driven organization since 2021, EPITA places social and environmental responsibility at the heart of its approach and promotes a demanding, inclusive, and diverse vision of engineering education.



COMPANIES THAT RECRUIT OUR ALUMNI

Deloitte.

takima

tcs TATA
CONSULTANCY
SERVICES

DATADOG

Hugging Face

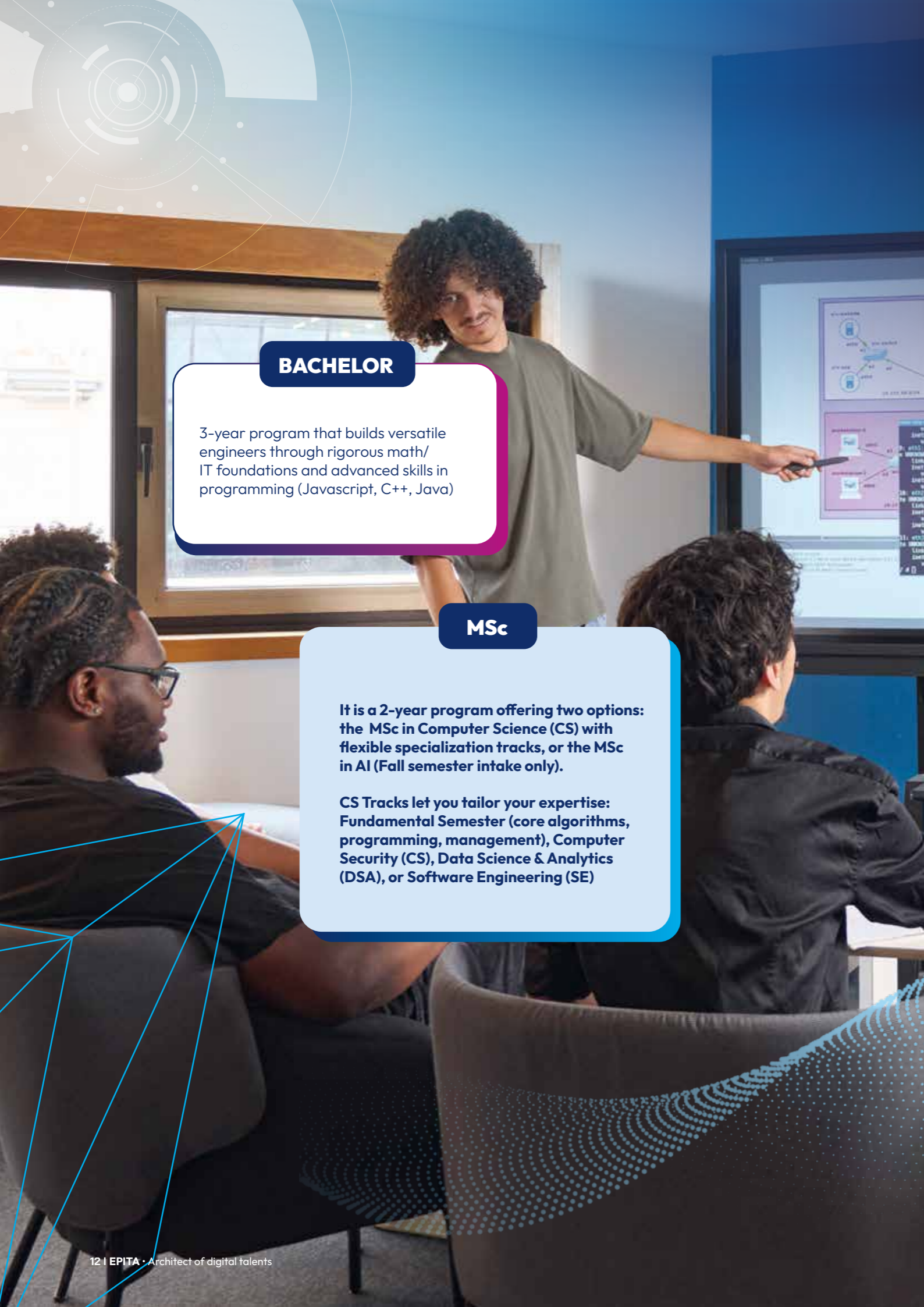
devoteam

9 UNICORNS CREATED BY EPITA GRADUATES

Nine unicorns, startups valued at more than one billion dollars, have been created or co-founded by EPITA alumni, including Doctolib, Swile, Papernest, and Lumapps, which today rank among the world's leading technology success stories.

Three of these unicorns are based in the United States: Airbyte, an open-source data integration automation tool, led and co-founded by Michel Tricot, EPITA class of 2007; Aircall, a company specializing in cloud telephony solutions, co-founded by Xavier Durand, EPITA class of 2014; and Algolia, an AI-powered search solution, co-founded by Julien Lemoine, EPITA class of 2004.





BACHELOR

3-year program that builds versatile engineers through rigorous math/IT foundations and advanced skills in programming (Javascript, C++, Java)

MSc

It is a 2-year program offering two options: the MSc in Computer Science (CS) with flexible specialization tracks, or the MSc in AI (Fall semester intake only).

CS Tracks let you tailor your expertise: Fundamental Semester (core algorithms, programming, management), Computer Security (CS), Data Science & Analytics (DSA), or Software Engineering (SE)

PROGRAM

International Bachelor of Computer Science

LEVEL

Years 1,2,3

SEMESTER AVAILABLE

Fall or Spring

COURSES AVAILABLE (2025-2026) AND NUMBER OF CREDITS

YEAR 1: FALL SEMESTER:

FLE – French courses (2 ECTS), Formal Written English (1 ECTS), Reading Strategies (1 ECTS), Sustainable Development: Earth Systems Workshop (1 ECTS), Abstract Algebraic Data Types (2 ECTS), Circuit Analysis Tools: Definitions, Laws and Theorems (2 ECTS), Point Mechanics: Dynamics in Galilean Frames and Kinematics (2 ECTS), Fundamental Mathematical Tools (3 ECTS), Combinatorics and Probability (4 ECTS), Integer Arithmetic (3 ECTS), Real Sequences (3 ECTS), Grammar Study, Present Tense and Spontaneous Writing (1 ECTS), Past Tense Practice (1 ECTS), Study Skills Methodology (1 ECTS), Written Communication Methodology (1 ECTS), Oral Communication Methodology (1 ECTS), Caml Programming and Recursion (3 ECTS), Lists and Matrices (3 ECTS), Python and Working Environment (3 ECTS), C Programming: Fundamentals (3 ECTS), Numeration Systems (1 ECTS), Boolean Algebra (1 ECTS).

YEAR 1: SPRING SEMESTER

English Listening Comprehension (1 ECTS), English Oral Expression (1 ECTS), Oral Data Interpretation and Graph Analysis (1 ECTS), Email Writing Skills (1 ECTS), Sustainable Development: Mission-Driven Entrepreneurship Workshop (1 ECTS), Professional Communication: Introduction to the Business World (1 ECTS), Documentary Project: Exploring the World of Business (1 ECTS), French Courses (2 ECTS), Thermodynamics: Equations of State and Energy Balances (1 ECTS), Electromagnetism (1 ECTS), Filter Analysis (1 ECTS), Transient Regime Analysis (1 ECTS), Diodes (1 ECTS), Mathematical Analysis (Polynomials, Differential Equations, Functions) (3 ECTS), Vector Spaces (3 ECTS), Linear Applications and Matrices (4 ECTS), Binary and General Trees (3 ECTS), Search Trees (4 ECTS), C Programming: Memory Management (3 ECTS), C Programming: Data Processing (3 ECTS), Sequential Logic (1 ECTS), Microprocessor-Based Systems (1 ECTS), Probability, Finance, and Insurance (1 ECTS).

YEAR 2: FALL SEMESTER:

C Programming Seminar: Fundamentals (2 ECTS), C Memory Management (2 ECTS), Advanced C Programming Concepts (2 ECTS), Fundamentals of 68000 Assembly Language (3 ECTS), Trees and Searching II (3 ECTS), Graph Theory (3 ECTS), Theory of Rational Languages (2 ECTS), Analysis and Numerical Series (3 ECTS), Probability and Power Series (3 ECTS), Linear Algebra (3 ECTS), Electrostatics and Magnetostatics, Electromagnetic Waves (2 ECTS), Introduction to Quantum Physics (2 ECTS), English Skills Development: Reading and Writing (1 ECTS), English: Oral Presentation (History and Song) (1 ECTS), Ethics: From Morality to Ethics (1 ECTS), Ethics: Technological Ambivalence (1 ECTS), Professional Communication: Showcasing Skills (1 ECTS), Communication and Societal Issues (1 ECTS), French Courses (2 ECTS).

YEAR 2: SPRING SEMESTER:

Rust Programming Basics (3 ECTS), Advanced Rust Programming Concepts (3 ECTS), Advanced Assembly Programming (2 ECTS), Graph Connectivity (3 ECTS), Shortest Paths and Minimum Spanning Trees (3 ECTS), Data Analysis (3 ECTS), Signal Analysis (3 ECTS), Diodes (1 ECTS), Bipolar Junction Transistor (1 ECTS), MOS Transistors and Logic Functions (1 ECTS), French Courses (2 ECTS), Operational Amplifiers (1 ECTS), English Skills Development: Listening and Speaking (1 ECTS), English: Film Project (1 ECTS), Ethics: Technological Progress and Human Development (1 ECTS), Ethics: Digital Ethics (1 ECTS).

YEAR 3: FALL SEMESTER:

Data Structures (3 ECTS), Computer Hardware Architecture (1 ECTS), My PC & Unix (1 ECTS), Introduction to Programming (3 ECTS), Multivariable Calculus (2 ECTS), Function Approximation (3 ECTS), Generalized Integrals and Integral Sequences (2 ECTS), Logical Formalization (2 ECTS), C/Unix Workshop (5 ECTS), Operating Systems (1 ECTS), Computer Networks I (1 ECTS), SQL Databases (3 ECTS), Assembly Language (2 ECTS), Introduction to Signal Processing (2 ECTS), Algorithm Complexity (3 ECTS), Functional Programming (2 ECTS), Algebraic Structures (2 ECTS), Object-Oriented Programming (2 ECTS), Theory of Languages (2 ECTS), French as a Foreign Language (3 ECTS), Novice Project Production (SAE PPEX) (3 ECTS).

YEAR 3: SPRING SEMESTER

Java Workshop (Java) (3 ECTS), JavaScript Workshop (JS) (3 ECTS), C++ Workshop (C++) (4 ECTS), Interface Technologies (TUI) (2 ECTS), Introduction to Software Development and Craftsmanship (1 ECTS), Graph Theory (2 ECTS), Dynamic Modeling (2 ECTS), Vector Programming for Matrix Computation (2 ECTS), Probability and Statistics I (3 ECTS), Artificial Intelligence and Machine Learning (2 ECTS), Programming Language Typology (2 ECTS), Secure Software Development (1 ECTS), Cryptography and Error-Correcting Codes (2 ECTS), Computer Networks and Routing (1 ECTS), French as a Foreign Language (FLE) (2 ECTS), Technical Elective – Introduction to the Scala Language (2 ECTS), Technical Elective – Research Exposure and Introduction: Functional Programming Techniques (Clojure) (2 ECTS), Novice Project Production (SAE JWS) (2 ECTS).

PROGRAM

International Master of Science - Computer Science

LEVEL

Year 4

SEMESTER AVAILABLE

Fall or Spring semester

COURSES AVAILABLE (2025-2026) AND NUMBER OF CREDITS

YEAR 4: FUNDAMENTAL FALL AND SPRING SEMESTER:

French Language Program MSc (4 ECTS), Adapting to a New Culture (1 ECTS), Corporate Finance (1 ECTS), Communication for Leaders (2 ECTS), Project Management Principles (2 ECTS), Enterprise Essentials (1 ECTS), Data Privacy by Design (2 ECTS), Digital Transformation (2 ECTS), Introduction to Blockchain & Bitcoin (2 ECTS), Introduction to Network Protocols & Architecture (2 ECTS), Technical Warmup (1 ECTS), Advanced Algorithmics (3 ECTS), Operating Systems: Unix (3 ECTS), Introduction to Python (3 ECTS), Relational Databases (1 ECTS).

COMPUTER SECURITY FALL SEMESTER

Cross-Border Management (1 ECTS), Knowledge Management & Innovation (2 ECTS), Action Learning (5 ECTS), French Language Program MSc (4 ECTS), Malware Analysis (2 ECTS), Penetration Testing (3 ECTS), Python for Security (2 ECTS), Software & Database Security (2 ECTS), Web Applications Security (2 ECTS), Reverse Engineering (1 ECTS), Security Operation Center (2 ECTS), Identity Access Management (2 ECTS), Digital Forensics & Incident Response (2 ECTS).

COMPUTER SECURITY SPRING SEMESTER

Common core : PKI, DMZ & Proxy (2 ECTS), Social Engineering & Physical Intrusions (1 ECTS), Hands-on Hacking (1 ECTS), Big Data Infrastructure & Cloud Computing (1 ECTS), Kaggle Week (5 ECTS), Career Project Elaboration (1 ECTS), Digital Marketing and Social Media Strategy (2 ECTS), French Language Program MSc (4 ECTS), Introduction to Cryptology (1 ECTS), Unix System Administration (2 ECTS), Linux for Security (1 ECTS), Specialization : Cross-Border Management (1 ECTS), Knowledge Management & Innovation (2 ECTS), Action Learning (5 ECTS), French Language Program MSc (4 ECTS), Malware Analysis (2 ECTS), Penetration Testing (3 ECTS), Python for Security (2 ECTS), Software & Database Security (2 ECTS), Web Applications Security (2 ECTS), Reverse Engineering (1 ECTS), Security Operation Center (2 ECTS), Identity Access Management (2 ECTS), Digital Forensics & Incident Response (2 ECTS).

DATA SCIENCE & ANALYTICS FALL SEMESTER

Predictive Analytics & Data Mining (1 ECTS), Business Intelligence (BI) (2 ECTS), Big Data Infrastructure & Cloud Computing (3 ECTS), Data Reporting & Visualization (2 ECTS), Neural Networks & Deep Learning in Python (3 ECTS), Computer Vision (2 ECTS), Natural Language Processing (2 ECTS), Action Learning (5 ECTS), Data Science in Production 2 (2 ECTS), Cross-Border Management (1 ECTS), Knowledge Management & Innovation (3 ECTS), French Language Program MSc (4 ECTS).

DATA SCIENCE & ANALYTICS SPRING SEMESTER

Common core : NoSQL Databases (2 ECTS), Data Exploration & Preparation (2 ECTS), Foundations of Statistical Analysis & Machine Learning (4 ECTS), Data Science in Production 1 (1 ECTS), Big Data Infrastructure & Cloud Computing (3 ECTS), Mathematics for Data Science (2 ECTS), Object-Oriented Analysis & Design, UML & Java (4 ECTS), Kaggle Week (5 ECTS), Career Project Elaboration (1 ECTS), Digital Marketing and Social Media Strategy (1 ECTS), French Language Program MSc (4 ECTS), Specialization : Predictive Analytics & Data Mining (1 ECTS), Business Intelligence (BI) (2 ECTS), Big Data Infrastructure & Cloud Computing (3 ECTS), Data Reporting & Visualization (2 ECTS), Neural Networks & Deep Learning in Python (3 ECTS), Computer Vision (2 ECTS), Natural Language Processing (2 ECTS), Action Learning (5 ECTS), Data Science in Production 2 (2 ECTS), Cross-Border Management (1 ECTS), Knowledge Management & Innovation (3 ECTS), French Language Program MSc (4 ECTS).

SOFTWARE ENGINEERING FALL SEMESTER

Cross-Border Management (1 ECTS), Knowledge Management & Innovation (3 ECTS), French Language Program MSc (4 ECTS), .NET and C# Programming (5 ECTS), Advanced Databases (1 ECTS), Advanced Java Programming (2 ECTS), Structured Data & Transportation (1 ECTS), How to Use the DevOps Approach (1 ECTS), Software Industrialization (1 ECTS), Software Quality Assurance (1 ECTS), Action Learning (4 ECTS), Advanced JavaScript (1 ECTS), Web Application Patterns (2 ECTS), General Front-End Development Principles (1 ECTS), Front-End Applications (1 ECTS), Progressive Web Applications (1 ECTS).

SOFTWARE ENGINEERING SPRING SEMESTER

Common core : Career Project Elaboration (1 ECTS), Digital Marketing and Social Media Strategy (1 ECTS), Green IT (1 ECTS), ITIL (2 ECTS), French Language Program MSc (4 ECTS), Advanced C Programming (3 ECTS), Software & Database Security (2 ECTS), Android Initiation (2 ECTS), Introduction to iOS (2 ECTS), Object-Oriented Analysis & Design, UML & Java (4 ECTS), Big Data Infrastructure & Cloud Computing (3 ECTS), Kaggle Week (5 ECTS),

Specialization : Cross-Border Management (1 ECTS), Knowledge Management & Innovation (3 ECTS), French Language Program MSc (4 ECTS), .NET and C# Programming (5 ECTS), Advanced Databases (1 ECTS), Advanced Java Programming (2 ECTS), Structured Data & Transportation (1 ECTS), How to Use the DevOps Approach (1 ECTS), Software Industrialization (1 ECTS), Software Quality Assurance (1 ECTS), Action Learning (4 ECTS), Advanced JavaScript (1 ECTS), Web Application Patterns (2 ECTS), General Front-End Development Principles (1 ECTS), Front-End Applications (1 ECTS), Progressive Web Applications (1 ECTS).

PROGRAM

International Master of Science - Artificial Intelligence Systems

LEVEL

Year 4

SEMESTER AVAILABLE

Fall semester only

COURSES AVAILABLE (2025-2026) AND NUMBER OF CREDITS

YEAR 4: FALL SEMESTER:

Introduction to Python (3 ECTS), Knowledge Representation & AI History (2 ECTS), Advanced Algorithmics (3 ECTS), Relational Databases (1 ECTS), Java & UML Programming (2 ECTS), Algorithmic Workshop (4 ECTS), Communication for Leaders (1 ECTS), French Language Program MSc (4 ECTS), Adapting to a New Culture (1 ECTS), Linear Algebra for Data Science (1 ECTS), Operations Research II: Optimization for Data Science (2 ECTS), Operations Research I: Linear Programming (2 ECTS), Numerical Algorithms (2 ECTS), Probability & Statistics for Machine Learning (1 ECTS)

ACADEMIC PARTNERSHIPS

ACROSS ALL FIVE CONTINENTS

Internationally, EPITA relies on a dynamic network of more than **120 partner universities** across **50+ countries** for student mobility and research collaborations. The school is committed to showcasing our strong tech programs as well as French culture through dedicated Winter and Summer short programs for international students, while fostering a multicultural environment on its campuses, which today host nearly 62 different nationalities.

PRESTIGIOUS PARTNERSHIPS

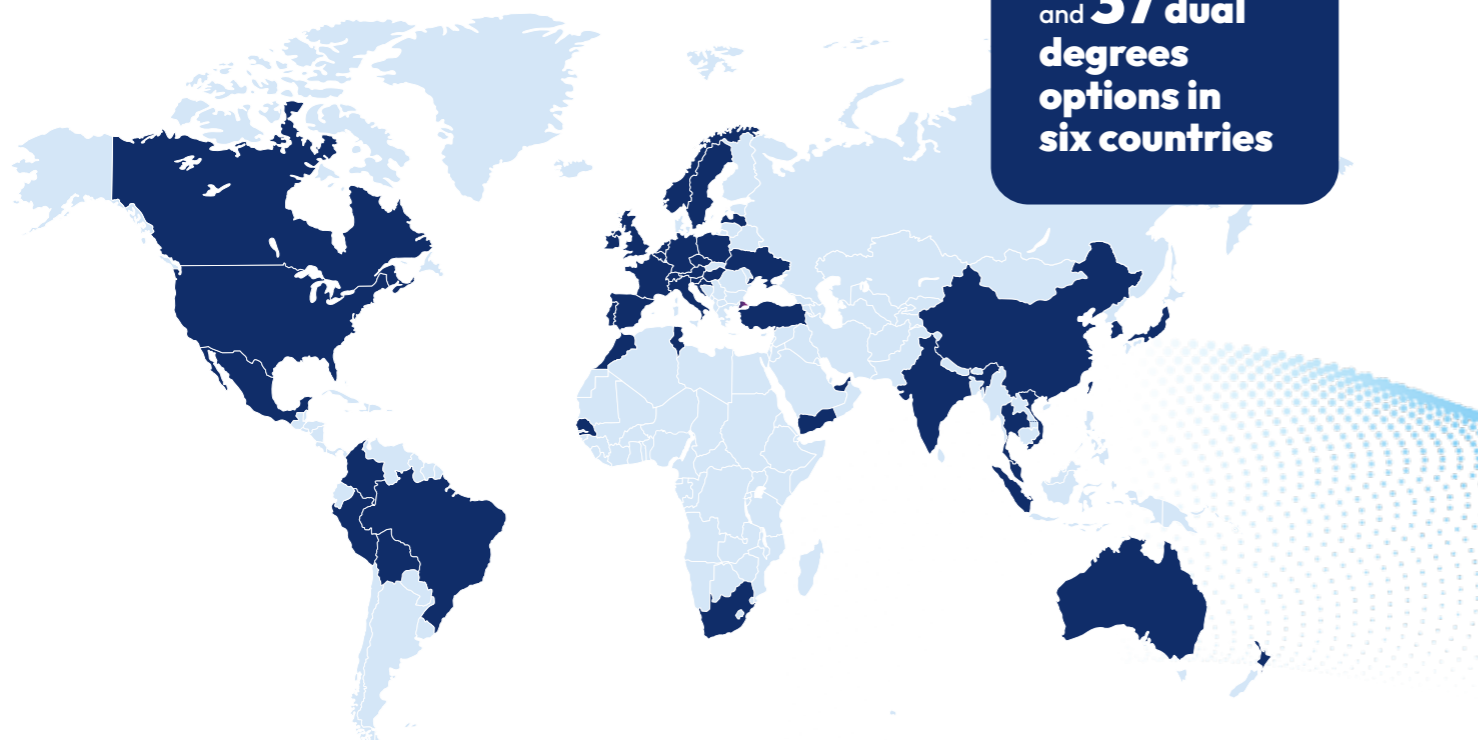
Polytechnic University of Madrid — Spain
Tampere University — Finland
Transport and Telecommunication Institute — Latvia
Norwegian University of Science and Technology — Norway
Czech Technical University in Prague — Czech Republic
James Cook University Singapore — Singapore
Chulalongkorn University — Thailand
Hanyang University — South Korea
Gwangju Institute of Science and Technology — South Korea
National Cheng Kung University — Taiwan



124 partner universities worldwide in 50+ countries



and **37 dual degrees options in six countries**



THE EPI BUDDY EXPERIENCE

YOUR GUIDE TO LIFE AT EPITA

The EPI Buddy program pairs you with a current EPITA student who will support you during your integration. Your buddy can help you with :

- Academic expectations and resources
- Student associations and campus life
- Paris neighborhoods and transportation
- French culture and local recommendations



YEAR-ROUND ACTIVITIES

Throughout your time at EPITA, you will enjoy a wide range of activities, including welcome days, game nights, themed parties, and excursions to iconic destinations across France.



STUDENT LIFE AND ACCOMMODATION Finding Housing

Students are responsible for securing their own accommodation. However, EPITA provides support throughout the process, including

- A dedicated housing support team at EPITA
- Access to discounted housing options through Studapart
- Information on a range of accommodation solutions, from studios to host families
- An optional airport pickup service, available upon request during the application process

① PLEASE NOTE

Housing insurance is mandatory for all students. It must cover damages related to theft, fire, and water damage.



France's Leading Independent Private Higher Education Group

+ 35 000
students

27
schools and entities

+ 100
campuses and institutions

3 500
faculty members, lecturers, and staff

+ 410
student clubs

26
cities in France and abroad

+ 100 000
Alumni

650
international partnerships across 75 countries

UNLEASHING TALENT AND BUILDING SUCCESS SINCE 1980



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- WORLD** | Barcelona • Berlin • Brussels • Geneva • Madrid • New York • Cotonou • Mauritius



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



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Private higher education institution.

This school is a member of IONIS Education Group.

