EPITA
SCHOOL OF ENGINEERING & COMPUTER SCIENCE

CONFÉRENCE DES GRANDES ÉCOLES

MSc MASTER OF SCIENCE

- ► Endorsed by French & international companies
- ► A combination of mathematics & programming courses

- ► 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

MASTER of Science in Data Science & Analytics

DSA

The Master of Science in Computer Science – specialization Data Science & Analytics program provides students with a solid foundation in machine learning and programming along with practical experience. It combines computer and statistical sciences to develop leading edge tools to efficiently deal with data processing (Big Data). Students will learn to develop methods, algorithms and software capable of extracting and presenting valuable information.

- **+** An opportunity for Data Scientists to differentiate themselves and advance their knowledge in a field paramount to the future of business
- **+** Ability to combine technical classes with business acumen yielding a profile highly valued by the professional market

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 provide graduates with the knowledge and experience to solve big data problems using machine learning concepts.

- ▶ Data Scientist
- ▶ Data Analyst
- ▶ Data Science Manager
- ▶ Data Science Consultant
- ▶ Big Data Engineer

Average salary:
40K€ gross annually

Internship salary:
1200-1500€ monthly

> *My decision to pursue my Masters in Data Science and Analytics in Paris was one of the best choices I've ever made. All thanks to EPITA.*
>
> *EPITA's curriculum had helped me strengthen my analytical and development skills through effective courses like Business Intelligence, Python, Relational Database, and Machine Learning. I've observed that EPITA keep upgrading the courses to stay up-to-date with current marketing trends and industry demands. Through these exceptional courses, EPITA created a bridge to my dream job as a Data Analyst at one of the world's largest reinsurers, SCOR.*
>
> *The guidance and support of EPITA's professors were invaluable. Apart from the academic curriculum, the Cultural class and Cross-Border Management course played a pivotal role in my personal and professional life. It taught me to appreciate cultural differences and gave me deep understanding of France, its people and its beautiful culture.*
>
> *I wholeheartedly recommend EPITA to anyone who is starting his/her journey in data science or looking to advance your skills, this curriculum has everything you need to thrive.*

Parita DANECHA
Class of 2022
From India

Application

Requirements

- ▶ 4-year bachelor's degree or higher
- ▶ 3-year bachelor's degree with significant experience and solid mathematics background

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

Program Outline

	Teaching Unit	Course
S1 Fundamental Semester (300 hours)	Cultural Integration	• Cultural Integration Workshop • General French (All levels) • Managing the Culture Shock
	Advanced Management & Business Strategy	• Corporate Finance • Communication for Leaders • Project Management Principles • Entreprise Essentials
	Technical Foundation	• Data Privacy by Design • Digital Transformation • Introduction to Block Chain & Bitcoin • Introduction to Network Protocols & Architecture • Technical Warmup
	Programming Skills	• Advanced Algorithmic • Operating Systems : Unix • Introduction to Python • Relational Databases
S2 Common Core Semester (300 hours)	Data Science	• NOSQL Databases • Data Exploration & Preparation • Foundations of Statistical Analysis & Machine Learning • Data Science in Production 1
	Technical Foundation	• Python Week • Cloud Computing using AWS • Mathematics for Data Science • OOA & UML & Java
	Business Strategies	• Career Project Elaboration • Digital Marketing and Social Media Strategy • General French (All levels)
S3 Specialization Semester (300 hours)	Data Science	• Predictive Analytics & Data Mining • Business Intelligence (BI) • Big Data Infrastructure & Cloud Computing • Data Reporting & Visualization • Neural Networks & Deep Learning in Python
	Data Science Applications	• Computer Vision • Natural Language Processing • Action Learning • Data Science in Production 2
	Business Strategies	• Cross-Border Management • General French (All levels) • Knowledge Management & Innovation
S4	Internship	• 6-month internship in a company

DSA