



- ▶ Endorsed by French & international companies
- ▶ A combination of mathematics & programming courses
- ▶ Action Learning through doing
- ▶ Multi-culture educational environment
- ▶ Accredited by the CGE (Conférence des Grandes Ecoles)



In Paris



100% English



18 months full-time



2 Intakes Sept/March

# MASTER of Science in Data Science & Analytics

The aim of the **Master of Science in Data Science & Analytics** is to provide 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) learning how 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.



**Programs**

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 Company



STAY IN TOUCH with us

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

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 international-programs@epita.fr  
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 FRANCE

## 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

## Application

### Requirements

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

### Fees

- ▶ Tuition fees: 12 900 €
- ▶ Application fees: 60 €

## Deadline



31<sup>st</sup> of July (September Intake)  
15<sup>th</sup> of January (March Intake)

## Procedure



**APPLY ONLINE**

[www.epita.fr/en](http://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
- ▶ Certified copy of the High School certificate
- ▶ 2 letters of recommendation
- ▶ TOEFL 80, TOEIC 800, IELTS 6.0
- ▶ Motivation letter



**Sandeep SHIVAJIRAO**

From India  
Class of 2019

EPITA's curriculum for the Data Science and Analytics specialization covers aspects of Programming, Mathematics and Business from Industry experts. This combination of various domains is essential to be a successful Data Scientist or Data Analyst.



EPITA also provides several advanced courses in the field of Deep Learning and Statistics which helped me to apply my learnings in my 2<sup>nd</sup> semester Research project on Neural Networks and helped in finding an Internship on Deep Learning and Computer Vision at Engie Lab, the world's 3<sup>rd</sup> largest energy sector.

EPITA provides a positive platform in shaping our career in the French Industry. You will Learn, Lead and Succeed.

## Program Outline

	Teaching Unit	Course
S1 Fundamental Semester (300 hours)	Cultural Integration	Cultural Integration Workshop French Language Program MSc (A1) Getting Over The Culture Shock
	Advanced Management & Business Strategy	OOA & UML & Java Linear Algebra For Data Science Inter-culturally Adaptation Project Management Principles Operations Research I: Linear Programming
	Technical & Programming Skills	Advanced Algorithmic Information Technologies Overview Operating Systems : Unix Introduction To Python Python Week Relational Databases
S2 Common Core Semester (300 hours)	Advanced Management & Engineering Science	Change Management Cross-Border Management French Language Program MSc (A2) Knowledge Management & Innovation
	Advanced Management & Business Strategy	Digital Marketing And Social Media Strategy Project For Research & Innovation (#1) Communication for Leaders Digital Transformation Enterprise Discovery
S3 Specialization Semester (300 hours)	Advanced Management & Engineering Science	Career Project Elaboration French Language Program MSc (A2-B1) Project For Research & Innovation (#2)
	Data Science	Probability For Machine Learning Introduction to Statistical Machine Learning Python for Machine Learning Operations Research II: Optimization For Data Science
	Data Science Applications	Data Visualization Deep Learning For Natural Language Processing Recommender System Deep Learning for Image and Video Processing NoSQL Databases Big Data Architecture & Cloud Computing