



EIU-PARIS

59 RUE LAMARCK, 75018

PARIS



Master of Science (MS) in Information Technology and Data Science



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RECOGNITION & ACCREDITATION

Legal Status, Accreditation, and International Benchmarking

The European International University – Paris (EIU-Paris) is a legally registered private higher education institution in France, operating as a distance learning center (Centre d'enseignement à distance). It is fully listed in the French Ministry of National Education's official directory of recognized institutions under the following details:

- UAI Code: 0756213W
- Official Name: Etablissement d'enseignement à distance European International University
- Supervising Authority: Ministère de l'Éducation nationale
- Academic Region: Paris
- Address: 59 rue Lamarck, 75018 Paris (Paris 18e Arrondissement)

This listing can be publicly verified through the official French government portal:

https://www.education.gouv.fr/acce_public/index.php | To verify, simply enter the UAI Code: 0756213W in the search field.

EIU-Paris is authorized to confer institutional academic degrees, issued under its autonomous academic authority in full compliance with the French Education Code (Articles L 444-1 to L 444-11 and R 444-1 to R 444-28). While not classified as Diplômes Nationaux, these qualifications are internationally benchmarked to align with key global frameworks, including the European Higher Education Area (EHEA) and the UNESCO Global Convention on the Recognition of Qualifications concerning Higher Education.

The credibility and global relevance of EIU-Paris are further underscored by:

- Recognition as a Premier Institution by the Accreditation Service for International Schools, Colleges & Universities (ASIC, UK)
- A prestigious QS 5-Star Rating across Teaching, Online Learning, Graduate Employability, Inclusiveness, and Academic Development

Active memberships in leading international academic networks and quality assurance bodies, including:

- Business Graduates Association (BGA), United Kingdom
- European Council for Business Education (ECBE), Belgium
- Association for Transnational Higher Education Accreditation (ATHEA), Europe

Master of Science in Information Technology and Data Science (MSITDS)

Awarding Institution: European International University – Paris (EIU–Paris)

Degree Type: EIU–Paris Institutional Degree

Mode of Delivery: 100% Online | Modular | Self-Paced | Asynchronous

Admission: Open Year-Round

Language of Instruction: English

Programme Overview

The Master of Science in Information Technology and Data Science (MSITDS) is a future-focused postgraduate degree designed for IT professionals, data analysts, and technologists aiming to deepen their technical expertise while mastering the practical applications of data science and digital transformation.

Delivered entirely online, the programme combines academic theory, industry-relevant content, and application-based learning to prepare graduates for roles in data analysis, software development, big data, cloud computing, and AI-powered systems across various industries.

- Total Credits: 90 ECTS
- Modules: 8 Core Modules + 1 Capstone Project or Internship
- Duration: 12–18 Months (depending on study route)

Programme Structure & Learning Model

The MSITDS programme follows a research-supported, application-oriented learning model that includes asynchronous resources, practical assessments, and a final project.

Students are expected to:

1. Engage with curated asynchronous learning materials provided for each module.
2. Complete a final Application-Oriented Assignment (AOA) of 3,500 to 4,000 words per module, integrating theory with real-world problem-solving.
3. Participate in hands-on project work, simulation, or performance-based tasks for each course.
4. Complete a final 5,000-word Capstone Project or Internship Report that demonstrates the ability to apply data science and IT concepts to actual business or technical problems.

Note: Students are required to complete a practical project paper, assignment, or performance-based task at the end of each course to creatively apply knowledge and skills to solve real-world challenges in IT and data science.

Modules List

Each core module is worth 7.5 ECTS, and the Capstone Project or Internship is worth 30 ECTS:

1. ITDS420 – Data Structures and Algorithms
2. ITDS440 – Statistical Analysis for Data Science
3. ITDS460 – Data Analytics and Visualization
4. ITDS520 – Big Data Technologies and Analytics
5. ITDS540 – Machine Learning and Artificial Intelligence
6. ITDS620 – Programming Languages and Software Development
7. ITDS640 – Cloud Computing and Distributed Systems
8. ITDS660 – Ethical and Legal Issues Related to Data Science
9. ITDS680 – Capstone Project or Internship in IT and Data Science (30 ECTS)

Assessment Method

- Each module is assessed through an Application-Oriented Assignment (AOA) of 3,500 to 4,000 words.
- Assignments are designed to assess:
- Practical understanding of IT and data science concepts
- Technical problem-solving skills
- Real-world applicability of theoretical frameworks
- The Capstone Project or Internship Report (5,000 words) allows students to synthesize and apply learned skills to a substantial, industry-relevant challenge.

There are no exams or oral defenses required under this programme.

Learning Platform: EIU-Paris LMS

All learning takes place via the EIU-Paris Learning Management System (LMS), a secure, cloud-based platform offering:

- 24/7 access to course materials and submissions
- Progress tracking and instructor feedback
- Automated notifications and grading tools
- Mobile-friendly access for global learners

Study Routes Available

1. Regular Route

- Duration: 12–18 months (self-paced)
- Tuition Fee: €1,500 (one-time payment)
- Installment options available

2. Fast-Track / Accelerated Route

- Completion possible in under 12 months
- Designed for high-performing, motivated professionals
- Contact: +33 6 07 59 11 97

3. VAE Route (Validation des Acquis de l'Expérience)

- Based on prior learning and experience
- No coursework; portfolio-based assessment
- Completion in 3–6 weeks
- Contact: +33 6 07 59 11 97

Entry Requirements

Applicants must meet one of the following:

- Hold a recognized Bachelor's degree in IT, computer science, engineering, or a related field, or
- Possess a Level 7 Postgraduate Diploma in a technology-related area, and
- Have 1–2 years of relevant work experience (internships may be accepted)

Mature Entry Route:

Minimum 9 years of experience in IT, software development, or data science roles (evaluated case-by-case).

English Language Proficiency

- No test required if previous education was in English
- Others may submit IELTS/TOEFL or take the EIU–Paris in-house English test

Technical Requirements

- Basic computer and internet literacy
- Access to a laptop or desktop and a stable internet connection

Programme Learning Outcomes

Upon successful completion, graduates will be able to:

- Apply advanced programming, analytics, and big data solutions
- Use AI, ML, and visualization tools to derive actionable insights
- Develop and manage databases and cloud-based IT systems
- Uphold ethical and legal standards in data management
- Lead digital transformation initiatives in public and private sectors

Tuition Fee Structure

- One-time full payment: €1,500
- 3 Installments: $€600 \times 3 = €1,800$
- 6 Installments: $€350 \times 6 = €2,100$

Installments are paid monthly until completion. Graduation, degree attestation, and DHL shipment of original documents are billed separately.

Who Should Apply

This programme is ideal for:

- Aspiring data scientists and AI specialists
- IT professionals looking to formalize their academic credentials
- Developers and software engineers seeking career growth
- Analysts and project managers transitioning to data-driven roles
- Candidates pursuing fast-track or VAE recognition pathways

Awarding Institution

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Global Recognition & Accreditation

EIU–Paris is globally recognized for academic excellence and innovation:

- ASIC (UK) – Premier Institution
- QS Intelligence Unit – 5-Star Rating in Teaching, Online Learning, Employability

Memberships:

- Business Graduates Association (BGA), UK
- European Council for Business Education (ECBE), Belgium
- Association for Transnational Higher Education Accreditation (ATHEA), Europe

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Website: <https://eiu.ac>

Fast-Track or VAE Support: +33 613 926 264

Request Information: https://eiu.ac/lead_form/