

# MSC-MASTER OF SCIENCE SMART INFORMATION SYSTEMS AND CYBER LEADERSHIP

**TAKE THE LEAD IN INTERNATIONAL DIGITAL PROJECTS WITH AN MSC FOCUSED ON STRATEGY AND INNOVATION!**

## Introduction

Graduates of this MSc take on strategic and operational leadership roles within complex and international digital environments. They support companies in their digital transformation by leveraging information technologies to address challenges related to innovation, performance, and security. Positioned at the interface between business units and technical teams, they design and implement intelligent, secure, and scalable information systems. They may hold positions such as Chief Information Security Officer (CISO), Data & Digital Strategy Manager, Cloud & IT Infrastructure Manager, or Digital Transformation Consultant. Their role is essential in ensuring the coherence of technological choices, data governance, and infrastructure resilience, in full compliance with international standards.

## Learning objectives

Professionals in the digital sector must combine technical skills with interpersonal abilities. On the one hand, in-depth expertise in computer science, project management, and new technologies is essential. Mastery of digital tools, information systems, and security standards ensures data integrity and optimises performance. Continuous technological monitoring is also crucial to anticipate risks and innovate.

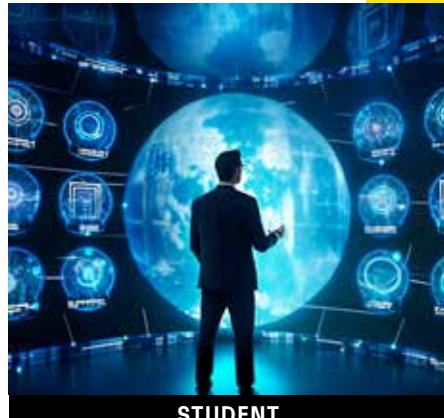
**On the other hand, human qualities are equally important:** good listening skills, pedagogical abilities, team spirit, and the capacity to simplify technical issues are essential to bring people together around digital projects and support decision-making in complex environments.

## Career opportunities

- Chief Information Security Officer (CISO)
- Digital Transformation Consultant
- Data & Digital Strategy Manager
- International IT Project Manager
- Intelligent Information Systems Architect
- Cloud & Cybersecurity Infrastructure Manager

## MASTER'S DEGREE

**Master of Science Smart Information Systems and Cyber Leadership**, labellisé n° 1470 par la Conférence des Grandes Ecoles



STUDENT

**Duration :** 75 days

on 12 months

**Code :** MSc Info

## Eligibility

The CESI MSc in Smart Information Systems and Cyber Leadership is aimed at technical and passionate profiles who wish to advance their careers internationally or within global companies, and move into strategic and managerial roles while maintaining their technical expertise.

## Admission requirements

- Candidate holding a degree or certificate validating an M1-equivalent level or the completion of 240 ECTS credits
- A C1 level in English is expected

## Scholarship

Tuition fees applicable for the 2026 academic year:

- For students residing in a country within the European Economic Area (EEA): €10,000 per year.
- For non-French students, nationals from outside the EEA, and first-time arrivals: €12,000 per year.

## OBJECTIVES

Manage high value-added technological projects  
Design and deploy secure digital architectures  
Leverage big data and implement artificial intelligence solutions  
Coordinate multidisciplinary and multicultural teams  
Assess digital risks and define action plans

## PEDAGOGY

### Completed Projects

Development of an image classification model using convolutional neural networks  
Design of an image captioning system combining NLP and computer vision  
Simulation of offensive attacks and drafting of an incident response scenario  
Design of a secure architecture integrating encryption, IAM, and cloud auditing  
Creation of a project management plan applied to a complex intercultural context  
Deployment of a scalable and automated cloud infrastructure using DevOps tools

### Evaluation

The validation of course units is based on continuous assessment, as well as the completion of a company assignment and the final thesis.



100% English-taught program  
Dual technical and managerial expertise  
Real-world company projects  
Specialized modules in cloud, data, and cybersecurity  
Preparation for leadership roles  
Collaborative work in an intercultural environment  
Dynamic ecosystem in the heart of the Lille metropolitan area (French Tech, competitiveness clusters, innovative companies)  
Close connections with major players in cybersecurity, digital technology, and industry (EuroTechnologies, Plaine Images, etc.)

## ENROLLMENT

- Admission is based on several elements:
- Application review
- Verification of prerequisites
- Interview
- Admission committee
- The time between submitting the application and receiving a decision of eligibility or non-admission is approximately one month.
- Final enrollment is confirmed after signing the contract.

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Lille