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

**STUDENT**

**Duration :** 75 days
on 12 months
**Code :** MSc Info

## 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**

## FOR WHOM?

### 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

### Tuition fees

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.

## MASTER'S DEGREE

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

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Lille

Back to school on september 2026

Edition : 19/04/26

## LE PROGRAMME

**Digital Leadership and International Strategy**
Digital Transformation Management
Management of Digital Projects in a Global Context
Business Strategy and IT Alignment
Intercultural Leadership and Managerial Communication
Decision-Making in Complex Environments
Information Systems Governance

**Cloud Computing and Distributed Architectures**
Cloud service models (IaaS, PaaS, SaaS)
Deployment of hybrid cloud infrastructures
Monitoring, automation, and scalability
Cloud cost management and FinOps principles
Cloud security and compliance (IAM, encryption, ISO 27017/27018)
Integration of DevOps and SysOps technologies

**Data Engineering and Artificial Intelligence**
Data processing pipeline (acquisition, cleaning, enrichment)
Design of Data Science workflows
Selection and evaluation of machine learning algorithms
Convolutional neural networks and autoencoders
Natural language processing and computer vision
Text/image generation and combined architectures

**Operational Cybersecurity and Risk Management**
Threat identification and attack typology
Execution of offensive scenarios (pentests, CTFs)
Forensic analysis and incident response
Deployment of technical countermeasures
Information security risk analysis and security policy
Security awareness and compliance auditing

**Governance, Standards, and Compliance**
Information Systems governance models (ISSP, ISO, NIST)
ISO standards 27001, 27017, and 27018
Regulatory compliance (GDPR, European cybersecurity)
Implementation of audit and reporting processes
Strategic alignment and management of ethical issues
Information security organization models (SOC, CISO, DPO)

**Innovative Project Management**
Project management methodology (V-model, Agile, hybrid)
Development of management plans (PMP)
Project risk analysis and success factors
Crisis management and strategic communication
Change management in a digital environment
Collaborative work in an international project setting

**Professional English and International Posture**
Written and oral communication in technical English
Argumentation in a multicultural context
Writing project documents and strategic presentations
Negotiation and public speaking in a global environment
Preparation for thesis defense in English before a jury

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