











# EUROPEAN MASTER'S IN INFORMATION SYSTEMS MANAGEMENT - LEVEL 7 EQF

-  **Level**  
7 EQF (European Qualifications Framework)
-  **Duration**  
2 years
-  **Credits**  
120 ECTS
-  **Target group**  
Students - people seeking employment - employees and professionals in the sector
-  **Admission requirements**  
Candidates holding a level 6 EQF qualification or a qualification equivalent to the attainment of 180 ECTS
-  **Course Structure**  
Full-time or work-study
-  **Pedagogical methods**  
Theoretical courses, tutorials and practical work  
Case studies and professional scenarios  
Individual and group projects
-  **First Year Assessments**
  - Continuous assessment
  - Practical examinations 1 (3h)
  - Practical examinations 2 (3h)
  - Thesis defence (1h)
- Modern language**
  - Reading (1h45)
- Second Year Assessments**
  - Continuous assessment
  - Practical examinations (2h)
  - Written examination (4h)
  - Thesis defence (1h)
- Modern language**
  - Listening (45 min)

**The FEDE, as a certifier, is in charge of the assessment processes**

- Organisation and planning of exam sessions
- Development of topics and model answers
- Ensuring compliance with examination regulations and supervision (anonymity, integrity, confidentiality)
- Assessment and marking of papers
- Reporting results, issuing diplomas, diploma supplements and certificates

[www.fede.education/en/fede-quality-charter](http://www.fede.education/en/fede-quality-charter)

**D**igital developments and IT are essential to the smooth running of businesses and to good customer relations. To guarantee their security and growth, organisations are developing various tools, networks and applications.

Against this backdrop of digitalisation, opportunities are multiplying for professions linked to database development, network administration and security. Companies are looking for people with solid technical skills, trained in cutting-edge technologies. This programme enables learners to carry out diagnostics and make recommendations to companies on how to protect themselves against malicious intent

## LEARNING OUTCOMES

- Use monitoring / reporting / auditing / IT asset inventory tools / Authentication systems (Radius, Kerberos, X509)
- Configure Windows and Linux equipment/firewalls
- Diagnose incidents / compile incident and response statistics
- Automate routine tasks
- Manage users, rights, groups, etc.
- Implement security strategies
- Migrate equipment/systems
- Choose the equipment/software to be acquired
- Administer databases/users
- Ensure recovery plans in case of disaster
- Assist the Information Systems Department in drawing up the master plan
- Define and implement group strategies
- Create and monitor file systems
- Install and update software
- Estimate the workload of servers
- Identify the methods of intrusion via TCP/IP

## PROGRAMME

### PROFESSIONAL SKILLS (860-990 HOURS)

- Master's Year 1**
- Networks, Systems and Security**  
Network administration and IT asset management  
- Information systems security - Operating systems administration
- Development**  
Application and database development
- Professional assignment (≥12 weeks)**  
Internship - Apprenticeship - Salaried employment

- Master's Year 2**
- IT project management - Advanced**  
IT project management - Corporate IT culture
- IT environment**  
Routers and network interconnection - System security - Distributed systems - Advanced programming and development techniques - Object databases - Real-time and embedded systems

- Professional assignment (≥12 weeks)**  
Internship - Apprenticeship - Salaried employment

### MODERN LANGUAGE (60-80 HOURS)

- Modern language 1 - CEFR level B2  
German, English, Spanish, French, Italian, Portuguese
- Modern language 2 and 3 (optional)  
German, English, Arabic, Chinese, Spanish, French, Italian, Portuguese

## CAREER DESTINATIONS

IT project manager / Cybersecurity project manager / Functional consultant / Technical consultant / Network and cybersecurity engineer for multi-protocol infrastructures / Linux/Windows, Virtualisation, Cisco systems engineer / Project manager for high-availability network architectures / Scrum Master in an IT service management project team (asset management, implementation of a private cloud, Datacenter moves, etc.)

## FEDE'S ASSET - EUROPEAN DEGREE

### EUROPEAN CULTURE AND CITIZENSHIP (40H) Businesses and the challenges of the ecological transition

- The climate crisis and the destruction of biodiversity: causes and consequences
- The regulatory framework governing the green transition
- The green transition: a response to crises
- Key actors in the green transition and sustainable development
- Citizens as agents of change
- The role of businesses in the green transition
- Cross-cutting skills and interdisciplinarity

### CCE (Company Skills Certificate) Assessments Quiz (1h)