

MSc Information Systems & Digital Sovereignty

Shape the Future of Trusted Digital Infrastructures

Today, 70% of the European cloud market is dominated by non-European players. Data protection, cloud sovereignty, and digital trust have become strategic priorities for governments, industries, and citizens worldwide.

The MSc in Information Systems & Digital Sovereignty is a unique international program designed to train experts capable of engineering, governing, and innovating within sovereign digital infrastructures.

Through a combination of cutting-edge technical training, applied research, and international governance insights, you will become part of the next generation of leaders driving cloud sovereignty, federated AI, and trustworthy digital ecosystems.

The objectives of the program

Our graduates will be able to:

- > Design and evaluate sovereign digital infrastructures, integrating cloud-native and multi-cloud architectures.
- > Lead strategic digital projects combining security, compliance, and innovation.
- > Implement advanced cybersecurity principles, privacy engineering and self-sovereign identity.
- > Apply and anticipate international and European regulations.
- > Develop and operate Federated AI solutions while ensuring Trustworthy AI principles.
- > Integrate Green IT and sustainability into digital architecture design.
- > Engage in applied research and innovation, bridging academic excellence with industry challenges

Career Opportunities

- > Sovereign Cloud Architect
- > DevSecOps & Cloud Security Specialist
- > Privacy & Data Protection Specialist
- > Consultant in Digital Compliance & Sovereignty
- > Junior Expert in Data Spaces (GAIA-X / IDS)
- > Project Manager in Cloud & Data Sovereignty
- > Research Associate / R&D Analyst in Digital Sovereignty



Oubaïda CHOUCHANE
Head of MSc

Dr. Oubaïda Chouchane is Head of the MSc Information Systems & Digital Sovereignty and MSc Cybersecurity Management programs at ECE Paris and a permanent faculty member. She created innovative MSc programs aligned with the era of generative AI, combining academic rigor, industry relevance, and global orientation, and contributed to the renewal of the prestigious CGE accreditation for the MSc Cybersecurity program. She leads international faculty recruitment, develops novel teaching approaches, and fosters research- and project-driven learning.

Holding a PhD in Engineering Sciences from Sorbonne Université, her research centers on trustworthy and ethical AI, focusing on privacy, security, fairness, transparency, and explainability. Her work is widely published and presented worldwide. An internationally recognized keynote speaker, she actively bridges academia, industry, and policy.

In 2025, she received the Amity Global Academic Excellence Award for her contributions to research and pedagogy. Through her leadership, Dr. Chouchane advances sovereign, ethical, and human-centered digital technologies, ensuring education not only keeps pace with innovation but helps shape it.

