***MASTER COMPUTER SCIENCE INFORMATION TECHNOLOGY FOR SMART** AND SUSTAINABLE MOBILITY



PROGRAM GOAL

KEY FEATURES





Open to |

- + Education level at entrance |
- + Enrollment |

























MAIN COURSES

- Data engineering: agent-based modeling and simulation for sustainable and mobile application
- Environmental, social & economic impact of mobility solutions
- Human Computer Interaction for sustainable and mobile application
- · Smart mobility: ethics and legal issues, transport engineering and spatial development
- · Machine learning
- · Network security
- · Traffic and transportation modeling
- · Internet of Things, services and applications
- · Edge and mobile computing for sustainability

The 2nd year of the Master includes an internship period carried out abroad, preferably in one of EUNICE alliance partner countries.

AND AFTER?

Graduates will have the skills to apply for positions in the computing domain, more specifically IT for service design and data management, decision-making supports, ethical and sustainable development of transport and logistics solutions.

Potential jobs:

- Software and data engineer, data analyst, design implementation and deployment of secure, sustainable and resilient services for smart mobility System integrator of AI/ML and optimization techniques applied to the urban context Mobility expert of sustainable smart solutions conciliating legal, social, ethical and business components
 - + The graduates may apply for research programs.

ADMISSION REQUIREMENTS

+ For the first year - Master 1: open to students with Bachelor degree in computer science (after a licence / bachelor), or another engineering or technology specialty that fulfills the following requirements. Design and programming skills in C or equivalent, and highly desirable in Java or equivalent object oriented language.

At least B2 level; equivalent skills in English (ability to attend courses delivered in English).

Application procedure

Application is based on a registration file including previous diploma scores, and possible interview.

+ To apply : <u>European students</u> : Master 1 > monmaster.gouv.fr Master 2 > ecandidat

Non European students: pastel.diplomatie.gouv.fr/etudesenfrance

When the required diploma is not available, possibility of validating (fully or partially) equivalent diploma (VAPP) or professional skills (VAE).







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