Eunice
EUROPEAN UNIVERSITY

MASTER'S DEGREE

IT for Smart & Sustainable Mobility

Objectives

The Information Technology for Smart and Sustainable Mobility Master's Programme aims to provide knowledge and practical training in the new context of intelligent mobility while considering current issues of ethics and sustainable development.

Smart mobility requires expertise in new techniques and technologies (Internet of Things, distributed data management, security exchanges, etc.) and skills for the analysis, design and development of new algorithms and software for decision support in smart cities.

KEY DETAILS

Start of studies - September

Language - English

Duration - 24 months

Credits - 120 ECTS

Internships - during 2nd year

MAIN SUBJECTS

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

And after?

Graduates will have the skills to apply for positions such as IT for service design and data management, decision making support, and development of transport and logistic 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 optimisation techniques applied to the urban context.
- Mobility expert of sustainable smart solutions conciliating legal, social, ethical and business components.

ENROLMENT

Admission requirements

Open to students with a Bachelor's degree in **Computer Science, Maths, Physics** or another engineering or technology speciality that fulfills the following requirements:

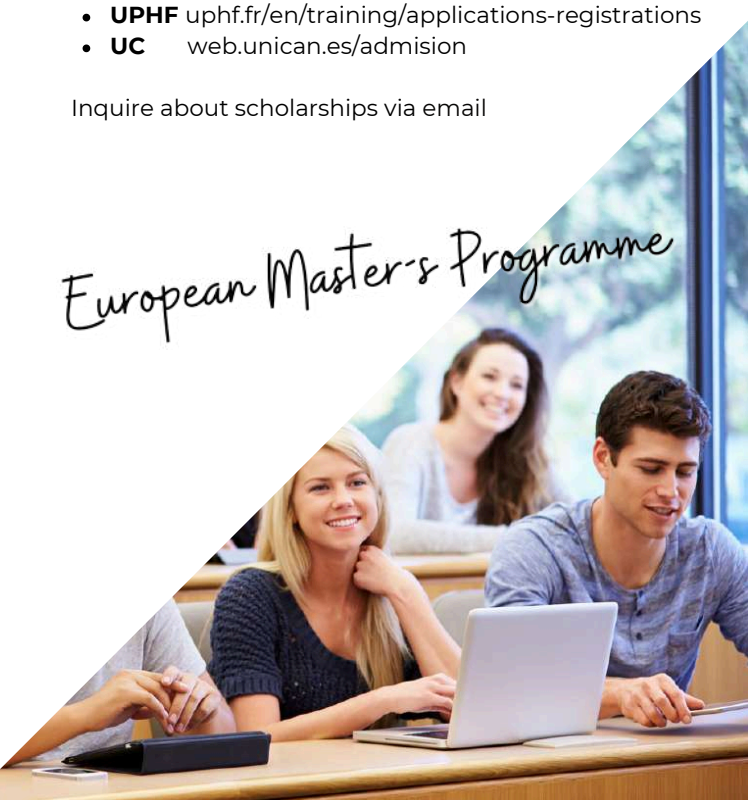
- Design and programming skills in C or equivalent, highly desirable in Java or equivalent object oriented language.
- Ability to attend courses delivered in English: at least B2 level or equivalent skills.
- Courses from 4-year Bachelor can be recognised.

Tuition fees and scholarships

Updated information on fees:

- **UPHF** uphf.fr/en/training/applications-registrations
- **UC** web.unican.es/admision

Inquire about scholarships via email



Accredited Master's Programme
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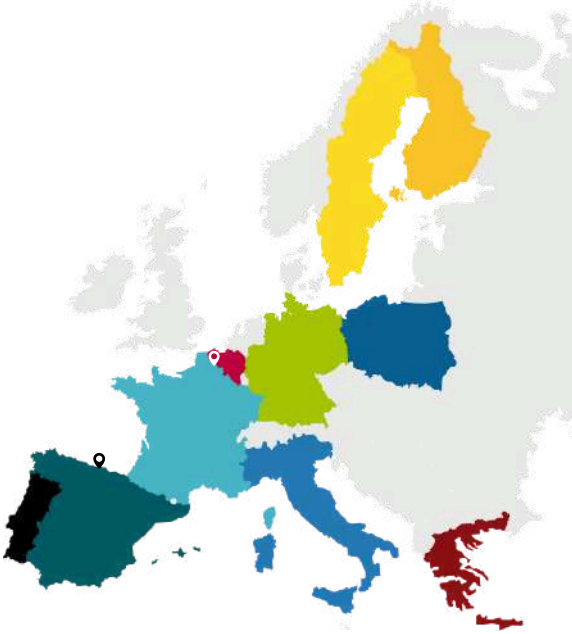
More information

eunice-university.eu

master-it4ssm@uphf.fr
etsiit@unican.es



A Joint Master's Programme by

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