Why enrolling ?

The MSc in Transportation Engineering And Mobility (MSc-TEAM) aims to respond to the **deep transformations** taking place – or expected soon – in the field of **mobility**. The goal is to train new engineers to meet challenges and satisfy the demand for new skills coming from the **job market** at a national and international level.

Transportation engineers **interconnect services**, **modes**, **vehicles**, and **infrastructures.** They **manage complexity**, facilitating or creating **innovative business** both for large transport operators and for a distributed ecosystem of actors, boosting the economic growth and, at the same time, **ensuring sustainability**. MSc-TEAM trains a new generation of experts with excellent skills in **modelling** and **simulation** of **transportation** systems.

You can enter the MSc-TEAM **from different Bachelor's degrees** and the Study Program allow an effective **start in any semester of the year**.

Director of the Study Program:

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Our web site

Ask to the Director

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UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II
SCUOLA POLITECNICA E DELLE SCIENZE DI BASE

Faculty of Engineering

Master of Science

TRANSPORTATION ENGINEERING AND MOBILITY

MSc-TEAM

dicea Dipartimento di Ingegneria Civile, Edile e Ambientale

TEAM Master's Degree @ Federico II

2025|26

LEARNING GOALS

Master's graduates in Transport and Mobility Engineering work in highly innovative professional contexts, characterised by a significant propensity to use new technologies. They are qualified experts in the planning, programming, design and management of infrastructures, terminals, networks, services and technological and organisational processes (including highly innovative ones) related to the mobility of persons and the transport and distribution of freights. The competencies of the Master's degree in Transport and Mobility Engineering cover a wide range of activities, such as logistics, railways, smart roads, mobility as a service and others.

PREREQUISITES TO ENROLL

- A bachelor's degree in civil engineering or industrial engineering or information and communication technologies.
  Other cases are considered on an individual basis.
- Prove a language proficiency B2 according to the CEFR framework

MSc STUDY PROGRAM

GENERAL STUDY PROGRAM

Mandatory Subjects

- Positioning and location-based services
- Electric Systems in Transportation
- Systems and Control Fundamentals
- Road Safety
- Machine Learning and Big Data
- Modeling Transportation and Mobility

One choice out of 3 options

- Digital maps and geological 3D models
- Safety of excavations for infrastructures
- Structural Health Monitoring for Infrastructures

Two choices out of 6 options

- Sustainable road materials
- Intelligent Transportation Systems
- Transport Planning and Appraisal
- Traffic Control
- Railway and Transit services
- Freight and logistics

One choice out of 3 options

- Unmanned Aircraft Systems for Transportation and Mobility
- Resilience of Geotechnical Systems
- Resilience of Transportation Systems

One choices out of 5 options

- Energy Management for Transportation
- Real-time System
- Testing and Validation of automated road vehicles
- Statistical Lab for Industrial Data Analysis
- Infrastructure-Building Information Modeling

Three pre-filled study plans are available:

- Smart Mobility
- Smart Planning
- Resilient networks

With 10 additional ETCS it is possible to get one of two different Diploma Supplements

SMART INFRASTRUCTURES DEVELOPER
APPLIED MACHINE LEARNING

Digital badges issued for the Diploma Supplements

JOB OPPORTUNITIES

The job opportunities of the Master's Degree in Transport and Mobility Engineering are: in **public administration agencies** responsible for mobility and transport; in business units dealing with **transport infrastructures**, **networks** and **services**; in large **public and private companies** dealing with the production and management of **mobility services**, **transport systems** and **fleets of autonomous and connected vehicles**; in small and medium-sized enterprises with **highly innovative features** in the mobility sector.
The main fields of work are:

- Smart roads, railways and hubs
- CCAM - Cooperative Connected and Automated Mobility
- Road and mobility safety
- Circular economy, re-use and sharing paradigms
- Adaptation, maintenance and operation of infrastructures and services
- Design, implementation and control of complex networks of infrastructure, services and pricing systems
- Analysis, forecasting, control and management of mobility demand and traffic flows
- Infrastructure planning and public decision-making

CONTINUATION OF STUDIES

MSc-TEAM graduates may be admitted competitively to postgraduate academic education, such as: PhDs, Level II Masters, Postgraduate Schools, and Doctoral Courses at the national and European levels.

Graduates of the MSc-TEAM study program have access to the research and development actions of the National Centre for Sustainable Mobility.

WHERE

The courses are held in Via Claudio, a few minutes' walk from Piazzale Tecchio and the main transport links.