

Why ? enrolling

The MSc in Transportation Engineering And Mobility (LM-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 are required to organise and manage transport and mobility in a more **innovative** way, **interconnecting services, modes, vehicles, and infrastructures** and learning to understand and **manage complexity**, putting at the service of the system new knowledge capable of favouring or creating **innovative business** both for the large transport operators and for the complex and distributed ecosystem of mobility services. The MSc in Transportation Engineering and Mobility trains a new generation of experts to **compete under changed conditions** and perspectives by leveraging the acquired skills in **modelling and simulation** of **transportation** systems, and thus boosting the **economic growth** and, at the same time, ensuring **sustainability**.

Chair of the MSc course:

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MSc in Transportation Engineering and Mobility

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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

LM-TEAM



2022|23

OBIETTIVI FORMATIVI

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.

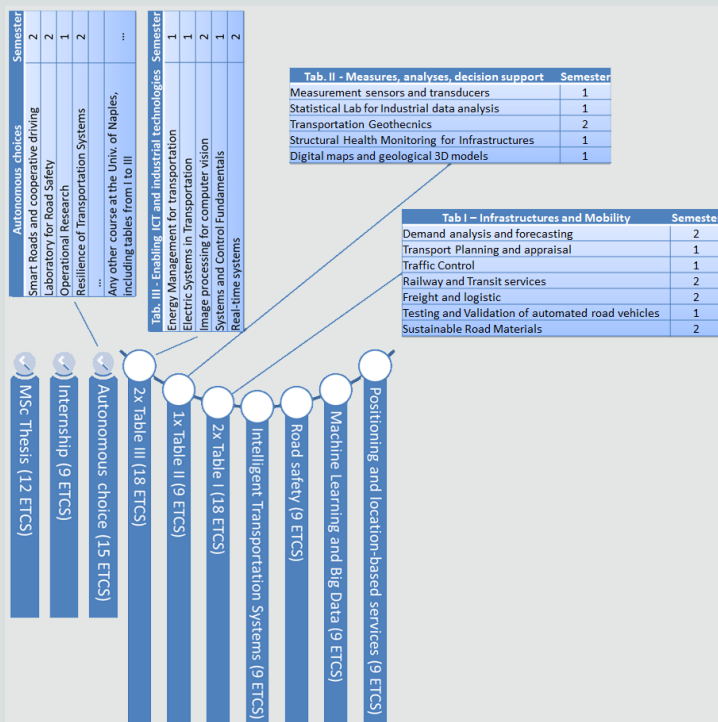


PREREQUISITES TO ENROLL

A bachelor's degree in civil engineering or industrial engineering or informatic engineering. Other cases may be considered on an individual basis

MSc STUDY PROGRAM

GENERAL STUDY PROGRAM



Three pre-completed study programs available:

- Smart Mobility
- Smart Planning
- Resilient networks

SMART INFRASTRUCTURES DEVELOPER

With 10 additional ETCS it is possible to get the diploma in Smart Infrastructure Developer. The general rules for the diploma are available at <http://www.scuolapsb.unina.it/index.php/homea/9-evidenzahighlights/856-ingegneria-al-via-i-minor-in-green-technologies-e-in-smart-infrastructures>.

Two specific study programs of the MSc (SID_A and SID_B) ensure compliance with the general rules.

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

Master's graduate in LM-TEAM can be admitted, subject to admission tests based on qualifications and examinations, to postgraduate (level III) academic education, such as: Research Doctorates, Level II Masters, Schools of specialisation, postgraduate courses at national and European level.

Master's graduate in LM-TEAM can access the research and development programs of the National Center for Sustainable Mobility.

WHERE

The courses held in via Claudio, which can be reached from Piazzale Tecchio on foot in a few minutes.

