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 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** goals.

Chair fi the MSc course: Prof. Gennaro Nicola Bifulco gennaro.bifulco@unina.it

Polytechnic and Basic Sciences School
www.scuolapsb.unina.it

DICEA - Department of Civil, Building and Enviromental Engineering
Via Claudio 21 – Napoli
Phone. 081-7683446
www.dicea.unina.it

MSc in Transportation Engineering and Mobility
Address: via Claudio 21, ed. C8, tel. 081 - 7683448
Web site: https://www.dicea.unina.it/?page_id=3308
Email: tiziana.bellardini@unina.it

Contact faculty member: Prof. Gennaro Nicola Bifulco gennaro.bifulco@unina.it

Student Secretary's Office
Piazzale Tecchio, 80 - 80125 – Napoli

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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

dicea
Dipartimento di Ingegneria Civile, Edile e Ambientale

2021|22

OBIETTIVI FORMATIVI

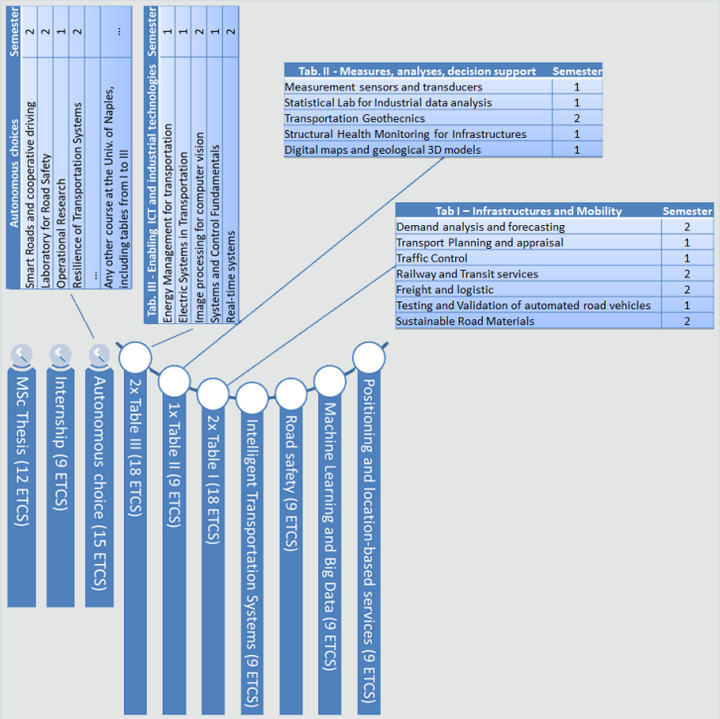
The master's graduates in Transportation Engineering and Mobility work in highly innovative professional contexts, characterised by a significant propensity to use new technologies. They are qualified experts in the planning, programming, design and operation of infrastructures, terminals, networks, services, and technological and organisational processes (including highly innovative ones) related to the mobility of people and the transport and distribution of goods. The competencies of the master's graduate in Transportation Engineering and Mobility cover a wide range of activities, as for instance, logistics, railways, smart roads, mobility-as-a-service and others.

PREREQUISITES TO ENROLL

A 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-compled 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-in-evidenzahighlights/856-ingegneria-al-via-i-minor-in-green-technologies-e-in-smart-infrastructures.
Two specific TEAM study programs (SID_A and SID_B) ensure compliance with the general rules.

JOB OPPORTUNITIES

The job opportunities of the master's graduate in Transportation Engineering and Mobility are: in **public administration agencies** responsible for mobility and transportation; in operational 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 **autonomous and connected vehicle fleets**; in small and medium-sized companies with **highly innovative** characteristics in the **mobility sector**. Main job fields 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 admission test, based on qualifications and examinations, to postgraduate level III training: Research Doctorates, Level II Masters, Schools of specialisation, postgraduate courses at national and European level. European level.
Master's graduate in LM-TEAM can access the learnning programs of the Academy-systems at the university of Naples Federico II.

WHERE

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