



UNIVERSITÀ
DI TRENTO

MSc in Information Engineering



Master of Science in Information Engineering

The Master's Degree Course in Information Engineering aims to train professionals to **produce and manage technological innovation** and fill high-profile technical and/or managerial roles in contexts that require in-depth knowledge of the Information Engineering disciplines. The foundational subjects in the domains of signals, networks and recognition systems merge with a selection of **areas of specialization** and free choice courses for a completely **personalized** educational offer designed to meet the needs of a labor market in constant evolution.

In general, our Information Engineering graduates acquire skills in:

- the design, testing and validation of communication architectures and devices, from the edge to the cloud, from terrestrial 5G to large aerospace systems;
- the implementation of cutting-edge software for the analysis, understanding and exploitation of information in all its physical instances;
- the design, testing and prototyping of advanced electronic and IT systems, with a close look at the most innovative IT architectures;
- the exploration of biomedical engineering, with an integrated approach ranging from the fundamentals of biological signals, to more application-oriented skills and practices related to the sphere of health;
- the organization and management of communication systems as well as all aspects related to their **innovation and marketing**.

Most courses include **laboratory classes** to provide students with a thorough **practical knowledge**, as well as a broad theoretical background on subjects of interest.



Programme overview

Degree awarded

Master of Science - "Laurea Magistrale" - in Information Engineering

Language

English

Class size

Up to 80 participants

Workload

The total workload for each student is 120 ECTS (European Credit Transfer System)

Intake

September each year

Duration

2 years full-time

Fees and funding (approximate range)

- EU: 340€ - 3.400€ (based on income/merit)
- Non-EU: 1.000€ - 6.500€ (based on merit)
- Income/merit based scholarships and tuition waivers available



Admission

Application deadlines (check online for updates)

- March for non-EU citizens living outside Italy
- June for EU citizens and non-EU citizens regularly living in Italy

How to apply

- Access the online application form
- Upload the required documents
- Submit your online application by the deadline
- Check online for more information and updates

Requirements

- Bachelor's degree (or equivalent) in Information Engineering or related field
- English at B2 level of the Common European Framework of Reference for Languages

Selection criteria

- Academic curriculum
- English language knowledge
- Curriculum Vitae
- Statement of purpose

Study Plan

Students can choose one of the following curricula. Each curriculum is meant to expand the knowledge of students, across a variety of inter- and cross-disciplinary subjects:

- Communications Engineering
- Computer Engineering
- Electronic Engineering
- Biomedical Engineering
- ICT Innovation: Cloud and Networking Infrastructures (double degree)



Dual Degrees

Beside the several international mobility opportunities active on this Master's degree, enrolled students can apply for a dual degree programme with:

- Ecole CentraleSupélec, Paris (France)
- EIT Digital Master School (mobility to: Finland, France, Spain and Sweden)
- Sup'Com, Carthage (Tunisia)





Career opportunities

Our graduates fulfil 21 **European ICT professional profiles** among the 23 recently defined by the European Union. To report just a few of them:

- Business Information Manager
- Systems Analyst and Architect
- ICT Operation Manager
- Developer, Digital Media Specialist
- Network and Technical Specialist
- ICT Security Manager
- ICT Trainer and Consultant

For graduates who pursue their studies at the PhD level, management careers will become available, given their ability to solve complex problems from the technical and the personal/organizational point of view.





CONTACT DETAILS

International Mobility Office

Science and Technology Area

Via Sommarive, 5 - 38123 Trento, Italy

tel. + 39 0461 283236 - 3974

masterie.disi@unitn.it - master-st@unitn.it

www.unitn.it/mie