



**UNIVERSITÀ
DI TRENTO**

MSc in Information and Communication Engineering



Master of Science in Information and Communication Engineering

The MSc in Information and Communication Engineering aims to train professionals to **produce and manage technological innovation** and fulfil high-profile technical and / or **managerial roles** in contexts that require in-depth knowledge of Information Engineering disciplines, focusing on specific aspects of telecommunications Engineering.

In general, our IC engineers acquire know-how in:

- the design, testing, validation, control, and **production of new devices** ranging from networks of wireless nanosensors to large aerospace systems;
- the **creation of software** for the analysis, understanding, transmission, and exploitation of information in all its physical instantiations;
- 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 and Communication 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)

- February 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: www.unitn.it/mastertlc

Requirements

- Bachelor's degree (or equivalent) in Information and Communication 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 further divided into different areas of specialization.

Curriculum Information and Communication Engineering

Areas:

- Signal Processing and Understanding
- Wireless and Networking

Curriculum ICT Innovation

Areas:

- Cloud and Networking Infrastructures
- Visual Computing and Communication

Both Curricula

- Internship
- Final thesis

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, Germany, Hungary, Netherlands, Spain and Sweden)



A photograph of a library or study area. In the foreground, a student with dark hair is seen from behind, sitting at a long wooden desk. In the middle ground, two other students are sitting at the same desk, looking at a laptop screen. The background is filled with tall wooden bookshelves packed with books of various colors. The lighting is bright and even.

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 **PhD level**, management careers will become available, given their ability to solve complex problems both from the technical and from the personal/organizational point of view.





CONTACT DETAILS

International Mobility Office

Science and Technology Area

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