

# Erasmus Mundus master's degree in Communications, Engineering and Data Science (CoDaS)

The **Erasmus Mundus master's degree in Communications, Engineering and Data Science (CoDaS)** covers a range of timely industry topics relevant to modern fields of engineering and competencies in electrical engineering, automation, programming, communications, data science, artificial intelligence and machine learning, network security and Internet of Things.

Students will acquire expertise in a range of techniques covering broad areas of mathematics, the modelling and analysis of signals and systems, data science, artificial intelligence, security, networks and distributed systems.

CoDaS is the **first degree promoted by the European programme University Network for Innovation, Technology and Engineering (Unite!)**. Unite! envisions a European university in which university hubs at excellent European institutes share resources and services in education, research and management, thereby removing structural barriers and generating new frameworks for European degrees.

You will study at two or more partner universities. The programme is divided into two years. First year: basic studies common to all consortium universities. Second year: specialisation studies specific to each consortium university, and theses in Communications, Data Science and Security (Grenoble INP); Communications and Data Science (Universidade de Lisboa); Communications, Automation and Machine Learning (Aalto University); Communications, Machine Learning, Medical Informatics and Biomedicine (TU Braunschweig); Communications, 5G/6G and Internet of Things, and Data Science (Universitat Politècnica de Catalunya).



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## GENERAL DETAILS

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### Duration and start date

Two academic years, 120 ECTS credits

### Timetable and delivery

Face-to-face

### Language of instruction

English

Information on [language use in the classroom and students' language rights](#).

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## ADMISSION

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### General requirements

[Academic requirements for admission to master's degrees](#)

### Places

10

### Pre-enrolment

To enrol for an interuniversity master's degree coordinated by a university other than the UPC, you must enrol through the coordinating university:

[Aalto University \(Finland\)](#)

**European programme**

Erasmus Mundus

**UPC school**

Castelldefels School of Telecommunications and Aerospace Engineering (EETAC)

**Participating institutions**

Universitat Politècnica de Catalunya (UPC)

Aalto University (Finland) - **coordinating** university

Grenoble INP-UGA. Institut d'ingénierie et de management

Instituto Superior Técnico (Universidade de Lisboa) (IST)

Technische Universität Braunschweig