WELCOME TO TELECOM BARCELONA

September, 8, 2022
The School

2021-2022

Total number of students: 2020
New students: 503 (to be updated)
Graduate students: 302 (to be updated)
Outgoing exchange students: 99
Incoming exchange students: 81
Professors: 350
Academic laboratories: 111
The CDIO INITIATIVE is an innovative educational framework for producing the next generation of engineers.

The framework provides students with an education stressing engineering fundamentals set in the context of:

Conceiving — Designing — Implementing — Operating

real-world systems and products. Throughout the world, CDIO Initiative collaborators have adopted CDIO as the framework of their curricular planning and outcome-based assessment.
ETSETB was accepted for the CDIO Council in 2009.

The ETSETB study plans follow the CDIO syllabus with the specified competences, the general competences, and the competences related in engineering, associated to the design and the project accomplishment.
Signal Theory and Communications Department

Research lines

- Antennas and Radio Systems Group
- Array & Multichannel Processing
- Control, Monitoring and Communications Group
- Optical Communications Group
- Image and Video Processing Group
- Mobile Communications Research Group
- Management, Pricing & Services in Next Generations Networks
- Radio Frequency and Microwaves
- Systems, Devices & Materials Group
- Remote Sensing Research Group
- Signal Processing and Communications Group
- Speech Processing Group
- WiCom Tec
- Audio Visual Technologies Group
- UAS and CoRa Radio Communications Group
- Electromagnetic and Photonics Engineering Group
Electronic Engineering Department

Research lines

Instrumentation and Bioengineering Division
- Biomedical Instrumentation
- Sensors and Interfaces
- Electrical impedance tomography and spectroscopy
- Electromagnetic compatibility
- Sensor Systems

Semiconductor Devices
- Amorphous alloys for high performance devices
- Electronic materials technology
- Microsystems
- Photovoltaic solar energy
- Simulation and modelling of semiconductor devices

Design and verification of electronic circuits and systems
- Advanced hardware architectures and neural networks
- Design of custom integrated circuits and systems
- Low power design and current test of CMOS circuits
- Reliability and fault-tolerance in electronic systems
- VLSI design of high performance circuits

Power electronics
- Nonlinear electronic circuits for signal and power processing
Networks Engineering Department

Research lines

- Wireless Networks Group
- Design and Evaluation of Broadband Networks and Services
- Telematic Services research group
- MAPS
- Research Group on Cellular Networks and Location
The Bachelors

General information of the Bachelor's Degree

These are the majors (specialities) of the Bachelor's degree in Telecommunications Technologies and Services Engineering:

- Audiovisual Systems
- Telecommunication Systems
- Telematics Systems
- Electronic Systems

Bachelor's Degree in Electronic Engineering
Bachelor's degree in Engineering Physics
Bachelor's Degree in Data Science Engineering
The Masters

Masters

- Master's degree in Telecommunications Engineering (MET13) 120 ECTS
  Video presentation (ENG)

- Master's degree in Advanced Telecommunication Technologies (MATT19) 60 ECTS
  Video presentation (ENG)

- Master's degree in Electronic Engineering (MEE22) 90 ECTS

- Master's degree in Cybersecurity (MCYBERS) 60 ECTS
  Video presentation (ENG)

- Master's degree in Physics Engineering (MEF) 60 ECTS
  Video presentation (ENG)

- Master's degree in Photonics (MPHOTON) 60 ECTS
  Video presentation (ENG)
The Masters

Other masters' we are involved in

- Master's degree in Computer Vision (MCOMPI)
  Video presentació (ES, ENG) 60 ECTS

- Erasmus Mundus Master's degree in Photonics Engineering, Nanophotonics and Biophotonics (EUROPHO) 120 ECTS

- Master's degree in Urban Mobility (MURBMOB) 120 ECTS

- Erasmus Mundus master's degree in Bio and Pharmaceutical Materials Science (BIOPHAM) 120 ECTS

- Master's degree in Quantum Science and Technology 60 ECTS
Your first week at ETSETB

- Introduce yourself to your teacher
  - Ask them for the background you should have
  - Catch up ASAP
- Confirm the language in which the course is taught
- If there is an issue (language, wrong enrollment, etc), you can ask for a change
  - Be careful! There is short deadline for that!
- IMPORTANT: You are regular students
Face-to-face attention (documents):

Please request for a **PRIOR APPOINTMENT** at least one week in advance. September appointments will be available at the end of July.

**Contact us:**
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