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UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

Bachelor's degree in Telecommunications Technologies and Business Management (interuniversity UPC-UB)

BARCELONA SCHOOL OF TELECOMMUNICATIONS ENGINEERING (ETSETB)

FACULTY OF ECONOMICS AND BUSINESS (FEE)

The **bachelor's degree in Telecommunications Technologies and Business Management** produces professionals with advanced technical competencies in telecommunications technologies and solid knowledge of business administration and management. The degree responds to the high job demand for multidisciplinary backgrounds geared towards leading technological and business projects in global and dynamic environments. You will learn the fundamentals and applications of telecommunications technologies in the fields of communications, electronics, network engineering, audiovisual processing and artificial intelligence, and acquire knowledge of business administration, including finance, accounting, marketing, human resources and strategy and leadership.

The bachelor's degree is taught by the Universitat Politècnica de Catalunya (UPC) in conjunction with the [Universitat de Barcelona \(UB\)](#), which enriches the training thanks to the expertise of the professors at the two universities in the fields of telecommunications engineering and economics and business management.

GENERAL DETAILS

Duration

4 academic years

Study load

240 ECTS credits (including the bachelor's thesis). One credit is equivalent to a study load of 25-30 hours.

Delivery

Face-to-face

Language of instruction

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

Fees and grants

Approximate fees per academic year: €1,061 (€1,800 for non-EU residents). [Consult the public fees system based on income \(grants and payment options\)](#).

Location

[Barcelona School of Telecommunications Engineering \(ETSETB\)](#) (**coordinating school**)
[Faculty of Economics and Business \(FEE\)](#)

ADMISSION

Places

50

Weighting. University entrance examinations (PAU)

[Weighting. University entrance examinations \(PAU\)](#)

Registration and enrolment

[What are the requirements to enrol in a bachelor's degree course?](#)

CFGS credit transfer

[Consult the university studies search engine of the Universities Channel of the Generalitat de Catalunya](#)

Legalisation of foreign documents

All documents issued in non-EU countries must be [legalised and bear the corresponding apostille](#).

PROFESSIONAL OPPORTUNITIES

Professional opportunities

- Network architect (5G/6G, IoT, fibre optics, etc.).
- Specialist in embedded systems and electronics.
- Semiconductor and integrated circuit designer.
- Specialist in network security and cybersecurity.
- Digital transformation consultant.
- Technology project manager.
- Specialist in applied artificial intelligence.
- Data analyst / data scientist.
- Expert in blockchain and disruptive technologies.
- Director of technological innovation.
- Digital transformation manager.
- Technological or financial controller.
- Product manager in technology companies.
- Intermediate manager in R&D, ICT or digital strategy departments.
- Specialist in digital solutions in health, Industry 4.0, mobility or energy.
- Specialist in smart cities and digital sustainability.
- Digitalisation consultant for SMEs and start-ups.
- Project manager of digital platforms or cloud services.

ACADEMIC ORGANISATION

Academic calendar

[General academic calendar for bachelor's, master's and doctoral degrees courses](#)

[General academic calendar of the University of Barcelona \(UB\)](#).

Academic regulations

[Academic regulations for bachelor's degree courses at the Universitat Politècnica de Catalunya \(UPC\)](#).

[Academic regulations of the University of Barcelona \(UB\)](#).

Language certification and credit recognition

Queries about [language courses and certification](#)