

# Bachelor's degree in Aerospace Systems Engineering + Telecommunications Systems Engineering or Network Engineering (double degree)

## CASTELDEFELS SCHOOL OF TELECOMMUNICATIONS AND AEROSPACE ENGINEERING (EETAC)

This double degree, for which the admissions procedure requires applicants to pre-enrol but not take an entrance exam, provides multidisciplinary training in the fields of aerospace systems engineering and telecommunications systems engineering.

The Castelldefels School of Telecommunications and Aerospace Engineering (EETAC) teaches this double degree—the only one of its kind in Spain—with the aim of responding to the demand for highly qualified professionals in the telecommunications and aerospace engineering sectors.

Students graduate with two official bachelor's degrees after five years of study (including the bachelor's thesis). They can choose any one of the two majors of the bachelor's degree in Aerospace Systems Engineering and one of two degrees, in Telecommunications Systems Engineering or Network Engineering.

### MAJORS

- Air Navigation
- Airports

### GENERAL DETAILS

#### Duration

5 academic years

#### Study load

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

#### Delivery

Face-to-face

#### Admission mark 2025-2026 academic year

11,084

#### Language of instruction

Check the language of instruction for each subject (and timetable) in the course sheet in the curriculum.

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

[Castelldefels School of Telecommunications and Aerospace Engineering \(EETAC\)](#)

### ADMISSION

#### Places

40

#### Pre-enrolment code

**Places via a change of degree**

2

**Admission mark 2025-2026 academic year**11,084. [Admission mark](#)**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](#).**CURRICULUM**

Subjects	ECTS credits	Type
<b>FIRST SEMESTER</b>		
Algebra and Geometry	6	Compulsory
Business	6	Compulsory
Calculus (Aeronautical Engineering)	6	Compulsory
Chemistry	6	Compulsory
Electronics for Telecommunications	6	Compulsory
Fundamentals of Physics	6	Compulsory
<b>SECOND SEMESTER</b>		
Aerospace Technology and Air Transport	6	Compulsory
Further Mathematics	6	Compulsory
Graphic Expression	6	Compulsory
Informatics I	6	Compulsory
Linear Circuits and Systems	6	Compulsory
Mechanics	6	Compulsory
<b>THIRD SEMESTER</b>		
Air Transport Infrastructure	7.5	Compulsory
Digital Circuits and Systems	6	Compulsory
Fundamentals of Telematics	6	Compulsory
Further Mathematics 2	7.5	Compulsory
Informatics II	4.5	Compulsory
Thermodynamics	6	Compulsory
<b>FOURTH SEMESTER</b>		
Airport Engineering	6	Compulsory
Digital Signal Processing	6	Compulsory
Electricity	4.5	Compulsory

<b>Subjects</b>	<b>ECTS credits</b>	<b>Type</b>
Flight Mechanics	3	Compulsory
Fluid Mechanics	7.5	Compulsory
Materials Science and Technology	6	Compulsory
Sustainability of Aerospace Engineering	3	Compulsory
<b>FIFTH SEMESTER</b>		
Aerodynamics	4.5	Compulsory
Meteorology	3	Compulsory
Models for Air Traffic Management	6	Compulsory
Network Interconnection	6	Compulsory
Operating Systems	6	Compulsory
Structures and Strength of Materials	4.5	Compulsory
Aeronautical Communications 1	6	Optional
Airport Communications	6	Optional
<b>SIXTH SEMESTER</b>		
Electromagnetic Waves in Communication Systems	7.5	Compulsory
Electronic Circuits and Power Supply Systems	6	Compulsory
Internet Architecture and Protocols	6	Compulsory
Transmitters and Receivers	4.5	Compulsory

## **ACADEMIC ORGANISATION**

### **Academic calendar**

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

### **Academic regulations**

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

### **Language certification and credit recognition**

Queries about [language courses and certification](#)