

@font-face{ font-family:'Glyphicons Halflings'; src:url("/content/assets/fonts/bootstrap/glyphicons-halflings-regular.eot"); src:url("/content/assets/fonts/bootstrap/glyphicons-halflings-regular.eot?#iefix") format("embedded-opentype"), url("/content/assets/fonts/bootstrap/glyphicons-halflings-regular.woff2") format("woff2"), url("/content/assets/fonts/bootstrap/glyphicons-halflings-regular.woff") format("woff"), url("/content/assets/fonts/bootstrap/glyphicons-halflings-regular.ttf") format("truetype"), url("/content/assets/fonts/bootstrap/glyphicons-halflings-regular.svg#glyphicons_halflingsregular") format("svg") }



Master's degree in Management Engineering

TERRASSA SCHOOL OF INDUSTRIAL, AEROSPACE AND AUDIOVISUAL ENGINEERING (ESEIAAT)

The **master's degree in Management Engineering** aims to produce experts who, in addition to the ability to apply engineering knowledge and techniques, also have the ability to manage, organise and lead people, projects, departments and businesses. The course, which focuses on effective decision making in uncertain environments, allows students to acquire knowledge and develop skills for designing and managing complex organisations, including people, marketing, finances, production, logistics, project management and resource allocation, for the efficient resolution of organisational problems.

The curriculum design and blended curriculum allow students to take different routes, and also combine the course with their professional lives.

For more information, see [the web page of this master's degree](#).

GENERAL DETAILS

Duration and start date

2 or 3 academic years, 120 ECTS credits., 120 ECTS credits. Starting September and February

Timetable and delivery

Afternoons. In two years: 3 afternoons a week from 17:30 to 21:30. In three years: 2 afternoons a week from 17:30 to 21:30. Blended learning

Fees and grants

Approximate fees for the master's degree, **excluding other costs** (does not include non-teaching academic fees and issuing of the degree certificate):

€2,324 (€5,400 for non-EU residents).

[More information about fees and payment options](#)

[More information about grants and loans](#)

Language of instruction

Subjects will be taught in Catalan and Spanish

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

Location

[Terrassa School of Industrial, Aerospace and Audiovisual Engineering \(ESEIAAT\)](#)

Official degree

[Recorded in the Ministry of Education's degree register](#)

ADMISSION

General requirements

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

Specific requirements

Candidates must be in possession of a bachelor's degree in any area of engineering.

Places

60 places, 20 places february

Pre-enrolment

Pre-enrolment for this master's degree is currently **closed**. Use the "Request information" form to ask for information on **upcoming pre-enrolment periods**.

[How to pre-enrol](#)

Enrolment

[How to enrol](#)

Legalisation of foreign documents

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

CURRICULUM

Subjects	ECTS credits	Type
FIRST SEMESTER		
Industrial Plants	5	Compulsory
Innovation and Technology Management	5	Compulsory
Marketing Management	5	Compulsory
Quantitative Methods in Organisation	5	Compulsory
Combinatorial Optimisation Methods for Research	3	Optional
Cooperative Games	3	Optional
English for Business Management	3	Optional
Game Theory: Cooperative Games	3	Optional
Game Theory: Non-Cooperative Games	3	Optional
Information and Communication Technologies	3	Optional
Mathematics for Management	3	Optional
Quality Management: Models and Standards	3	Optional
Quality Management: Statistical Methods	3	Optional
Quantitative Research Methods	3	Optional
Research Tools	3	Optional
Urban Water Engineering and Management	3	Optional
SECOND SEMESTER		
Applied Statistics	5	Compulsory
Financial Management	5	Compulsory
People Management	5	Compulsory
Process Automation	5	Compulsory
THIRD SEMESTER		
Decision Models and Tools	5	Compulsory

Subjects	ECTS credits	Type
Environmental and Energy Business Management	5	Compulsory
Management Accounting	5	Compulsory
Operations Management	5	Compulsory
FOURTH SEMESTER		
Business Management	5	Compulsory
Information Systems	5	Compulsory
Supply Chain Design	5	Compulsory
Technical Entrepreneurship	5	Compulsory
FIFTH SEMESTER		
Management Engineering Research Seminars	3	Compulsory
Project Management	7	Compulsory
Business Law	3	Optional
Decision Analysis and Game Theory	3	Optional
Electrical Technology	3	Optional
Energy Technology	3	Optional
English for Business Management	3	Optional
Information and Communication Technologies	3	Optional
Mathematics for Management	3	Optional
Mechanics Technology	3	Optional
Occupational Health and Safety	3	Optional
Process and Materials Processing Technology	3	Optional
Qualitative Research Methods	3	Optional
Quality Management	3	Optional
Quantitative Research Methods	3	Optional
SIXTH SEMESTER		
Master's Thesis	12	Project
PROFESSIONAL OPPORTUNITIES		

Professional opportunities

This master's degree promotes the acquisition of knowledge and skills for managing teams and projects in the areas of operations and logistics. It also provides the knowledge and skills needed by graduates who wish to seek employment in human resources, marketing and financial and corporate management, and for those who wish to pursue a doctoral degree in Business Administration.

Competencies

Generic competencies

Generic competencies are the skills that graduates acquire regardless of the specific course or field of study. The generic competencies established by the UPC are capacity for innovation and entrepreneurship, sustainability and social commitment, knowledge of a foreign language (preferably English), teamwork and proper use of information resources.

Specific competencies

- Competencies related to engineering techniques and models for analysis and decision making.
- Competencies related to knowledge and tools for the functional areas of business organisations.
- Competencies related to business management and organisation.

DOUBLE-DEGREE AGREEMENTS

Double-degree pathways with other universities in Spain

- Master's degree in Management Engineering (ESEIAAT) + Master's degree in Management Engineering / Master's degree in Business Management (Management of Organisations in the Knowledge Economy) (UOC)
- Further information [on this website](#)

With other international universities

- Master's degree in Management Engineering and Master of Science in Engineering and Management (Politecnico di Torino, Italy)

QUALITY ACCREDITATION

Check the degree's main quality indicators in the University Studies in Catalonia portal of the Catalan University Quality Assurance Agency. Find information on topics such as degree evaluation results, student satisfaction and graduate employment data.

Further information

ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

UPC school

[Terrassa School of Industrial, Aerospace and Audiovisual Engineering \(ESEIAAT\)](#)

Academic coordinator

[Eulàlia Grifol](#)

Academic calendar

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

Academic regulations

[Academic regulations for master's degree courses at the UPC](#)

MASTER'S DEGREE WEBSITE

December 2025. [UPC](#). Universitat Politècnica de Catalunya · BarcelonaTech