

# Master's degree in Building Construction Management

The aim of the **master's degree in Building Construction Management** ([master's degree website](#)) is to produce graduates who will be involved in processes for managing and leading building construction companies and who will seek to improve these processes. The education provided covers financial and quality management, project management, energy management of buildings and built heritage, and the safety of building works. Students may choose to deepen their knowledge of other topics such as project leadership, the use of integral management tools and real estate marketing.

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## GENERAL DETAILS

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### Duration and start date

1.5 academic years, 90 ECTS credits. Starting September

### Timetable and delivery

Afternoons. Face-to-face

During the 2020-2021 academic year, students who are unable to attend in person at the beginning of the academic year will be given the opportunity to **stream classes**.

### Fees and grants

Approximate fees for the master's degree, excluding other costs, €2,490 (€3,735 for non-EU residents).

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

[More information about grants and loans](#)

### Language of instruction

Spanish

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

### Location

[Barcelona School of Building Construction \(EPSEB\)](#)

### Official degree

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

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## ADMISSION

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### General requirements

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

### Admission criteria

- Academic record
- Professional curriculum vitae
- Knowledge of English, Level B1 (optional)
- Candidates who are not native speakers of Spanish must provide proof of having attained Level B2.

### Places

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### Pre-enrolment

Pre-enrolment period open.

Expected deadline: 15/06/2022.

[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](#).

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## PROFESSIONAL OPPORTUNITIES

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### Professional opportunities

- Directors, managers and persons in charge of business management teams in the building construction sector.
- Directors and project managers in building construction.
- Quantity surveyors.
- Directors and persons in charge of buildings' energy management.
- Directors and persons in charge of asset management and maintenance.

### 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

Upon completion of the master's degree, students will have acquired the following specific competencies:

- They will know how to apply techniques for analysing resource planning in building construction firms.
- They will know how to implement information systems in companies.
- They will be able to manage strategic and infrastructure planning and programming and apply them to the management, planning and control of operations.
- They will know how to apply techniques for auditing construction processes in the areas of quality, safety and the environment.
- They will be able to implement resource management models in building construction firms.
- They will be able to analyse a firm's financial and accounting operations, particularly in the building construction sector.
- They will be able to identify the strategic management models used in building construction firms.
- They will know how to apply strategic and operational aspects of production planning techniques.
- They will be able to carry out real-estate valuations and appraisals of non-complex assets.
- They will be able to design systems of indicators for building construction processes.
- They will be able to analyse and apply cost control systems.
- They will be able to analyse management models that are appropriate to the building construction process.
- They will be able to implement standardised integral management systems (quality, safety and the environment).
- They will be able to carry out reliability analyses and life-cycle studies of buildings and their components.
- They will be able to manage a building's energy consumption, improve energy efficiency and reduce running costs.
- They will be able to integrate the competencies acquired in Building Construction Management in their master's theses.

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## ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

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### UPC school

[Barcelona School of Building Construction \(EPSEB\)](#)

### Academic coordinator

[Jesus Abad Puente](#)

### 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](#)

<b>CURRICULUM</b>		
<b>Subjects</b>	<b>ECTS credits</b>	<b>Type</b>
<b>FIRST SEMESTER</b>		
Assessments of Real Estate	5	Compulsory
Business Administration	5	Compulsory
Contracting and International Trade	5	Compulsory
Financial Management	5	Compulsory
Integrated Management Prl, Q & Ma	5	Compulsory
Process and Projects Management.Pmi	5	Compulsory
<b>SECOND SEMESTER</b>		
Building Energetic Management	5	Compulsory
Geographic Information Systems Applied to Urban Planning and Building (Gis and Bim)	5	Optional
Industrial Techniques and Processes in Construction	5	Optional
Management Skills	5	Optional
Mediation and Conflict Management	5	Optional
Models and Decision Tools	5	Optional
Real Estate Management. Fm	5	Compulsory
Real Estate Marketing	5	Optional
Smart Cities	5	Optional
<b>THIRD SEMESTER</b>		
Human Resources	5	Optional
Lean Construction: Principles and Techniques for Its Application	5	Optional
Statistics Applied to Making Decisions	5	Optional
Strategic Direction	5	Optional
Urban Management	5	Optional
Master's Thesis	15	Project