Master's degree in Building Construction Management

BARCELONA SCHOOL OF BUILDING CONSTRUCTION (EPSEB)

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.

GENERAL DETAILS

Duration and start date

1.5 academic years, 90 ECTS credits. Starting September

Timetable and delivery

Afternoons. Face-to-face

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):
€1,743 (€4,050 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

Official degree

Recorded in the Ministry of Science, Innovation and Universities

ADMISSION

General requirements

Academic requirements for admission to master's degrees

Specific requirements

Applicants must be holders of one of the following qualifications:

- Diploma in Technical Architecture, bachelor's degree in Building Construction Science and Technology (bachelor's degree in Building Engineering), bachelor's degree in Architectural Technology and Building Construction.
- Pre-EHEA degree in Architecture.
- Diploma in Public Works.
- Pre-EHEA degree in Civil Engineering.

Documents

Applicants must upload the following documents to the pre-enrolment application so that their applications can be reviewed:

- DNI or passport • Academic record that includes the final mark for the degree* (transcript, syllabus, etc.)
- Degree certificate
- Certificate stating that your degree makes you eligible for admission to postgraduate studies or a master's degree (for

foreign degrees)
- Curriculum vitae (CV)
- Letter of motivation
- English level
- Spanish Level B2 in the case of non-Spanish speaking candidates

(*) You must request the equivalence of your mark in the Spanish education system through the Ministry of Education's e-services portal. You must attach the resulting document when you submit your academic transcript in the pre-enrolment application.

Admission criteria
- Academic transcript (45%)
- Correspondence between the competencies of the entrance qualification and those of the master's degree (30%)
- Curriculum vitae (10%)
- Letter of motivation (5%)
- Other merits (5%)
- English level (Level B2) (5%)

New intake places

30

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		
Business Administration	5	Compulsory
Contracting and International Trade	5	Compulsory
Economic and Financial Management	5	Compulsory
Integrated Management of Occupational Health and Safety, Quality and Environment	5	Compulsory
Process and Project Management. PMI	5	Compulsory
Real Estate Valuations	5	Compulsory
SECOND SEMESTER		
Building Energy Management	5	Compulsory
Real Estate Management. FM	5	Compulsory
Geographic Information Systems Applied to Urbanism and Building Construction (GIS and BIM)	5	Optional
Management Skills	5	Optional
Mediation and Conflict Management	5	Optional
Models and Decision Tools	5	Optional
Production Management in Construction	5	Optional

Subjects	ECTS credits	Type
Real Estate Marketing	5	Optional
Smart Territories	5	Optional
THIRD SEMESTER		
Human Resources	5	Optional
Lean Construction: Principles and Application Techniques	5	Optional
Statistics for Decision Making	5	Optional
Strategic Management	5	Optional
Urban Management	5	Optional
Master's Thesis	15	Project

PROFESSIONAL OPPORTUNITIES

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 degree or field of study. The generic competencies established by the UPC are capacity for innovation and entrepreneurship, sustainability and social commitment, teamwork, proper use of information resources, knowledge of a foreign language (preferably English) and gender perspective.

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.

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

ACADEMIC ORGANISATION

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

Academic regulations
Academic regulations for master's degrees at the UPC

MASTER'S DEGREE WEBSITE