

# Degree in Architecture Studies Barcelona School of Architecture (ETSAB)

Graduates of this **degree in Architecture Studies** will be technically competent and scientifically rigorous professionals who will be involved in productive architectural work and architectural designs that satisfy both aesthetic and technical requirements. You will have knowledge of the history and theories of architecture, urban design and urban planning, research methods and preparation of construction projects, in addition to the problems of structure, construction and engineering related to building design. You will understand the relationships between people, buildings and their environment, and the architectural profession and its role in society, enabling you to take into account the social factors of design.

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## GENERAL DETAILS

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### Duration

5 years

### Study load

300 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

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

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

### Fees and grants

Approximate fees per academic year: €1,107 (€2,253 for non-EU residents). [Consult the public fees system based on income \(grants and payment options\)](#).

### Location

[Barcelona School of Architecture \(ETSAB\)](#)

### Official degree

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

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## ADMISSION

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### Places

350

### Registration and enrolment

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

### 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

- Building design.
- Design of public space.
- Calculation of structures in the building.

- Urban and territorial planning.
- Real estate management.
- Interior design and the design of furniture and objects.
- Design of temporary structures, exhibitions and theatre sets.
- Graphic design.
- Diagnosis of energy consumption of buildings and urban spaces.
- Environmental impact studies.
- Architecture and the law: appraisal, arbitration and valuation; dealing with procedures regarding building use.
- Teaching and research.

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## ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

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### 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 UPC](#)

### Language certification and credit recognition

Queries about [language courses and certification](#)

Barcelona School of Architecture (ETSAB)

### This bachelor's degree is also taught at

- Sant Cugat del Vallès · ETSAB · [Show degree](#)

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## CURRICULUM

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Subjects	ECTS credits	Type
<b>FIRST COURSE</b>		
Basis for Design I	6	Compulsory
Basis for Design II	6	Compulsory
Basis for Technique	6	Compulsory
Basis for Theory	6	Compulsory
Drawing I	6	Compulsory
Drawing II	6	Compulsory
Mathematics I	6	Compulsory
Mathematics II	6	Compulsory
Physics I	6	Compulsory
Physics II	6	Compulsory
<b>SECOND COURSE</b>		
Architectural Representation I	5	Compulsory
Architectural Representation II	5	Compulsory
Conditioning and Services I	6	Compulsory
Construction I	6	Compulsory
Design I	7.5	Compulsory

<b>Subjects</b>	<b>ECTS credits</b>	<b>Type</b>
Design II	7.5	Compulsory
History I	6	Compulsory
Structures I	7	Compulsory
Urban Design I	5	Compulsory
Urban Design II	5	Compulsory
<b>THIRD COURSE</b>		
Architectural Representation III	5	Compulsory
Conditioning and Services II	6	Compulsory
Construction II	6	Compulsory
Design III	7.5	Compulsory
Design IV	7.5	Compulsory
History II	7	Compulsory
Structures II	6	Compulsory
Urban Design III	5	Compulsory
Urban Design IV	5	Compulsory
<b>FOURTH COURSE</b>		
Architectural Representation IV	5	Compulsory
Conditioning and Services III	6	Compulsory
Construction III	7	Compulsory
Design V	7.5	Compulsory
Design VI	7.5	Compulsory
Structures III	6	Compulsory
Theory I	6	Compulsory
Urban Design V	5	Compulsory
Urban Design VI	5	Compulsory
<b>FIFTH COURSE</b>		
Construction IV	7.5	Compulsory
Law and Management in Architecture	7.5	Compulsory
Structures IV	5	Compulsory
Thematic Studio I	7.5	Compulsory
Thematic Studio II	7.5	Compulsory
Theory II	5	Compulsory
Bachelor's Thesis	6	Project
<b>OPTIONAL</b>		
(Ang) l'Collective Housing: Precedents, Current Developments and Alternativescol·lectiu: Antecedents, Realitzacions Actuals i Alternatives	3	Optional
Acoustic Design of Architecture	3	Optional
Adaptive Architecture, Furniture and Design	4	Optional

<b>Subjects</b>	<b>ECTS credits</b>	<b>Type</b>
Anthropology of the City and Habitat	5	Optional
Architectural Design and Sustainability. Environmental Assessment Within the Design Process	4	Optional
Architectural Digital Photography	5	Optional
Architectural Heritage and Cultural Landscapes	3	Optional
Architectural Survey of the Built Heritage	3	Optional
Architecture and Cinema	4	Optional
Architecture and Collective Action Seminar	3	Optional
Architecture and Invention Seminar I	3	Optional
Architecture and Invention Seminar II	3	Optional
Architecture and Politics	4	Optional
Architecture and the Material Project	3	Optional
Architecture as Experience Seminar I	3	Optional
Architecture as Experience Seminar II	3	Optional
Architecture, Materials and Environment	3	Optional
Architecture, Sustainability and Energies	4	Optional
Barcelona I: Walking Barcelona	5	Optional
Bim Management	5	Optional
Building Communities	5	Optional
Building with Memory	3	Optional
Business Management and Start-Up for Architects	3	Optional
Cities in History	4	Optional
Computational Design Protocols Seminar	3	Optional
Computer Design and Calculation of Bidirectional Reinforced Concrete Structures	5	Optional
Contemporary Collective Habitat Seminar: Diffuse Housing	3	Optional
Creation and Invention Seminar: Reading, Writing, Telling Stories, Representing, Drawing Maps	3	Optional
Design of the Structure of the Project Using Virtual Modelling Software	2.5	Optional
Designing for Climate Resilience	3	Optional
Designing Structural Public Space Seminar	3	Optional
Designing, Calculating and Building in Timber - Vol I	4	Optional
Designing, Calculating and Building in Timber - Vol II	4	Optional
Digital Fabrication Systems Seminar	3	Optional
Documentation, Analysis and Interpretation of the Architectural Heritage. Architectural Surveying Techniques	3	Optional
Economic and Feasibility Analysis at the Service of Urban Planning and Architecture	5	Optional
Environmental Architecture. Energy Saving	3	Optional
Environment and Architectural Parameters: a Projectual Method	5	Optional
Festival Llum Bcn	3	Optional
From Rough Material to Design with Parametric Tools	5	Optional

<b>Subjects</b>	<b>ECTS credits</b>	<b>Type</b>
Ground Architecture	2.5	Optional
History of Western Art I: From Giotto to Delacroix	3	Optional
History of Western Art II: From Courbet to Klein	3	Optional
Housing and Cooperation	5	Optional
Ideation and Drawing Workshop. Visual Diary of a Creative Process	3	Optional
Implementation of Parametric Design Systems	5	Optional
Industrialized Construction and Innovation	3	Optional
Infrastructure and Technic Seminar	3	Optional
Infrastructure Seminar - Construction and Recycling	3	Optional
Infrastructure, City and Architecture Seminar I	3	Optional
Innovations in Architecture and Technology	3	Optional
Interactive Urban Scenarios	3	Optional
Interior Architecture	3	Optional
International Design Workshop	4	Optional
Intervention on Architectural Heritage	3	Optional
Introduction to Architectural Heritage	3	Optional
Introduction to Computational Analysis and Design Tools Seminar	3	Optional
Introduction to Scenography	4	Optional
Josep Maria Jujol. Sustainable Architecture, Recycled Art	3	Optional
Journey to Troy	3	Optional
Labyrinth: Journey to Crete	3	Optional
Low-Cost Technologies for Cooperation	5	Optional
Mallorca Collage	4	Optional
Material, System, Prototype	5	Optional
Measuring Hadrian's Villa	4	Optional
Metropolitan Barcelona: Open Data and Digital Cartographies	4	Optional
Modelling of Curves and Surfaces	2.5	Optional
Modern Architecture in Spain. a Critical Insight	3	Optional
My Dream Home. a Study on Contemporary Collective Housing	5	Optional
Natural and Artificial Lighting. Architecture, Technology and Art	3	Optional
New York-Barcelona: Urban Tissues Atlas	3	Optional
Nordic Masters	5	Optional
Parametric Design with Mathematical Control, Using Generative Software	3	Optional
Playable City Seminar	3	Optional
Program and Place Seminar I	3	Optional
Program and Place Seminar II	3	Optional
Project and Landscape Seminar	3	Optional
Public Space / Urban Design	3	Optional

<b>Subjects</b>	<b>ECTS credits</b>	<b>Type</b>
Re-Inhabit: Dwelling and Street	5	Optional
Recovery and Reprogramming of Obsolete Buildings and Urban Environments	3	Optional
Regenerate to Inhabit Seminar: Concepts and Tools	3	Optional
Rehabilitation Techniques and Application	3	Optional
Reinforced Concrete Structures: Reticular Floor	3	Optional
Renewable Energies in Architecture	4	Optional
Representation and Data Management in Public Space Seminar	3	Optional
Space: Unity and Privacy	4	Optional
Structure Planning. Its Design and Construction with Bim as a Support Tool	3	Optional
Territory and Landscape	3	Optional
The Central Park in the Contemporary Metropolis Seminar	3	Optional
To Look is to Project. the Architects and the Photography	5	Optional
Urban Architecture. Historic City	4	Optional
Urban Design and Landscape Seminar	3	Optional
Urban Management	3	Optional
Urban Notes	3	Optional
Urban Regeneration and Reconversion Seminar	3	Optional
Urbanism and Ecology. Concepts, Strategies and Projects	5	Optional
Visiting Studio Seminar I	3	Optional
Visiting Studio Seminar II	3	Optional
Visual Lab. Hybrid Drawing	2.5	Optional
Walking Barcelona	5	Optional
Wood Studio 1:1 Scale	5	Optional
Wooden Constructions Seminar / Refurbishment / Energy Strategies	3	Optional