UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH

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.

GENERAL DETAILS

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 (€2,553 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

ADMISSION

Places
342

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.

PROFESSIONAL OPPORTUNITIES

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.

ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

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 · ETSAV · Show degree

CURRICULUM

Subjects	ECTS credits	Type
FIRST COURSE		
Basic Design I	6	Compulsory
Basic Design II	6	Compulsory
Basic Technique	6	Compulsory
Basic 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
SECOND COURSE		
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

Subjects	ECTS credits	Type
Design II	7.5	Compulsory
History I	6	Compulsory
Structures I	7	Compulsory
Urban Design I	5	Compulsory
Urban Design II	5	Compulsory
THIRD COURSE		
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
FOURTH COURSE		
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
FIFTH COURSE		
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
OPTIONAL		
1:1 Scale Wood Studio	5	Optional
Acoustic Design of Architecture	3	Optional
Adaptive Architecture, Furniture and Design	4	Optional
Anthropology of the City and Habitat	5	Optional

Subjects	ECTS credits	Type
Application of Parametric Design Systems	5	Optional
Architectural Design and Sustainability: Environmental Assessment in the Design Process	4	Optional
Architectural Heritage and Cultural Landscapes	3	Optional
Architectural Survey of 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 Energy	4	Optional
Barcelona I: Walking Barcelona	5	Optional
BIM for Advanced Project 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
Collective Housing: Precedents, Current Developments and Alternatives	3	Optional
Computational Design Protocol Seminar	3	Optional
Computer Design and Calculation of Two-Way 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
Data Representation and Management in Public Space Seminar	3	Optional
Design and Landscape Seminar	3	Optional
Designing for Climate Resilience	3	Optional
Designing Structural Public Space Seminar	3	Optional
Designing, Calculating and Building in Wood – Vol. I	4	Optional
Designing, Calculating and Building in Wood – Vol. II	4	Optional
Digital Architectural Photography	5	Optional
Digital Manufacturing 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 Urbanism and Architecture	5	Optional
Environmental and Architectural Parameters: a Design Method	5	Optional
Environmental Architecture: Energy Saving	3	Optional

Subjects	ECTS credits	Type
From Rough Material to Design with Parametric Tools	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
Industrialised Construction and Innovation	3	Optional
Infrastructure and Technique 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 in 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
Llum Bcn Festival	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 View	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 Tissue Atlas	3	Optional
Nordic Masters	5	Optional
Parametric Design with Mathematical Control Using Generative Software	3	Optional
Playable City Seminar	3	Optional
Programme and Place Seminar I	3	Optional
Programme and Place Seminar II	3	Optional
Public Space / Urban Design	3	Optional
Re-Inhabit: the Home and the Street	5	Optional

Subjects	ECTS credits	Type
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: Waffle Slabs	3	Optional
Renewable Energies in Architecture	4	Optional
Seminar on Wood Constructions / Rehabilitation / Energy Strategies	3	Optional
Soil Architecture	2.5	Optional
Space: Unity and Privacy	4	Optional
Structural Planning: 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 Design: Architects and 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
Virtual Modelling of the Design Structure	2.5	Optional
Visiting Studio Seminar I	3	Optional
Visiting Studio Seminar II	3	Optional
Visual Lab. Hybrid Drawing	2.5	Optional
Walking Barcelona	5	Optional