

# 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**

#### Regulated profession

Architect (after obtaining the master's degree in Architecture (ETSAB, ETSAV).

# **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<br>credits | Туре       |
| 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 |

| Subjects                           | ECTS<br>credits | Туре       |
|------------------------------------|-----------------|------------|
| Conditioning and Services I        | 6               | Compulsory |
| Construction I                     | 6               | Compulsory |
| Design I                           | 7.5             | Compulsory |
| 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 Adaptive Architecture, Furniture and Design Architectural Design and Sustainability: Environmental Assessment in the Design Process Architectural Design and Sustainability: Environmental Assessment in the Design Process Architecture and Cinema Architecture and Cinema Architecture and Cinema Architecture and Delitics Architecture and the Material Project Architecture, Sustainability and Energy Architecture, Sustainability and Energy Building with Memory Building with Memory Building with Memory Business Management and Start-Up for Architects Cartography and Design Seminar Cities in History Contemporary Collective Housing Seminar. New Ways of Living Designing, Calculating and Building in Wood - Vol. I Documentation, Analysis and Interpretation of the Architectural Heritage: Architectural Surveying Techniques Economic and Feasibility Analysis at the Service of Urbanism and Architectural Surveying Techniques Economic and Feasibility Analysis at the Service of Urbanism and Architectural Surveying History of Western Art I: From Giotto to Delacroix Housing and Construction Seminar Housing and Cooperation Housing and Cooperation Housing and Neighborhood Regeneration H | Subjects  | ECTS<br>credits | Туре     |
|--|---|-----------------|----------|
| Anthropology of the City and Habitat Architectural Design and Sustainability: Environmental Assessment in the Design Process 4 Optional Architecture and Cinema 4 Optional Architecture and Politics 4 Optional Architecture and Politics 3 Optional Architecture and He Material Project 3 Optional Architecture. Sustainability and Energy 4 Optional Architecture. Sustainability and Energy 3 Optional Building with Memory 3 Optional Business Management and Start-Up for Architects 3 Optional Cartography and Design Seminar Cities in History 4 Optional Cities in History 4 Optional Cities in History 4 Optional Designing, Calculating and Building in Wood - Vol. I Designing, Calculating and Building in Wood - Vol. I Designing, Calculating and Building in Wood - Vol. I Decumentation, Analysis and Interpretation of the Architectural Heritage: Architectural Surveying Designing, Calculating and Building in Wood - Vol. I Decumentation, Analysis and Interpretation of the Architectural Heritage: Architectural Surveying Designing, Calculating and Building in Wood - Vol. I Decumentation, Analysis and Interpretation of the Architectural Heritage: Architectural Surveying Designing, Calculating and Building in Wood - Vol. I Decumentation, Analysis and Interpretation of the Architectural Heritage: Architectural Surveying Designing, Calculating and Building in Wood - Vol. I Designing and Feasibility Analysis at the Service of Urbanism and Architecture Designing, Calculating and Supplication and Feasibility Analysis at the Service of Urbanism and Architecture Designing, Calculating and Construction Seminar Designing and Neighborhood Regeneration Designing and Neighborhood Regene | Acoustic Design of Architecture   | 3               | Optional |
| Architectural Design and Sustainability: Environmental Assessment in the Design Process 4 Optional Architecture and Cinema 4 Optional Architecture and Cinema 4 Optional Architecture and Politics 3 Optional Architecture, Sustainability and Energy 4 Optional Architecture, Sustainability and Energy 4 Optional Building with Memory 3 Optional Building with Memory 3 Optional Building with Memory 3 Optional Business Management and Start-Up for Architects 3 Optional Cartography and Design Seminar 3 Optional Contemporary Collective Housing Seminar. New Ways of Living 3 Optional Contemporary Collective Housing Seminar. New Ways of Living 3 Optional Designing, Calculating and Building in Wood - Vol. 1 Optional Designing, Calculating and Building in Wood - Vol. 1 Optional Designing, Calculating and Building in Wood - Vol. 1 Optional Techniques 5 Optional History Of Western Art. It: From Giotto to Delacroix 3 Optional History of Western Art. It: From Giotto to Delacroix 3 Optional History of Western Art. It: From Courbet to Klein 3 Optional Housing and Cooperation 5 Optional Hybrid Equipment Seminar. Wood Technology 3 Optional Innovations in Architecture and Technology 3 Optional Innovations in Architecture and Technology 4 Optional Interior Architecture and Technology 4 Optional Interior Architecture and Technology 5 Optional Intervention in Architectural Heritage 3 Optional Intervention in Architectural Heritage 4 Optional Inter | Adaptive Architecture, Furniture and Design   | 4               | Optional |
| Architecture and Cinema Architecture and Politics Architecture and Politics Architecture and Politics Architecture and the Material Project Architecture, Sustainability and Energy Architecture, Sustainability and Energy Architecture, Sustainability and Energy Bulding with Memory Business Management and Start-Up for Architects Cartography and Design Seminar Cities in History Architecture Housing Seminar Cities in History Architecture Housing Seminar Contemporary Collective Housing Seminar. New Ways of Living Designing, Calculating and Building in Wood – Vol. I Documentation, Analysis and Interpretation of the Architectural Heritage: Architectural Surveying Documentation, Analysis and Interpretation of the Architectural Heritage: Architectural Surveying Economic and Feasibility Analysis at the Service of Urbanism and Architecture Economic and Feasibility Analysis at the Service of Urbanism and Architecture History of Western Art II: from Courbet to Klein Goptional Housing and Construction Seminar Goptional Housing and Cooperation Goptional Housing and Cooperation Goptional Housing and Regeneration Goptional Housing and Neighborhood Regeneration Goptional Housing and Cooperation Goptional Housing and C | Anthropology of the City and Habitat  | 5               | Optional |
| Architecture and Politics  | Architectural Design and Sustainability: Environmental Assessment in the Design Process | 4               | Optional |
| Architecture and the Material Project Architecture, Sustainability and Energy Architecture, Sustainability and Energy Building with Memory Building with Memory Business Management and Start-Up for Architects 3 Optional Business Management and Start-Up for Architects 3 Optional Cartography and Design Seminar Cities in History 4 Optional Contemporary Collective Housing Seminar. New Ways of Living Designing, Calculating and Building in Wood - Vol. I Decumentation, Analysis and Interpretation of the Architectural Heritage: Architectural Surveying Techniques Economic and Feasibility Analysis at the Service of Urbanism and Architecture Economic and Feasibility Analysis at the Service of Urbanism and Architecture Economic and Feasibility Analysis at the Service of Urbanism and Architecture History of Western Art I: From Giotto to Delacroix History of Western Art I: From Courbet to Klein Housing and Consperation 3 Optional Housing and Cooperation Housing and Cooperation Soptional Hybrid Equipment Seminar. Wood Technology Ideation and Drawing Workshop: Visual Diary of a Creative Process Optional Intervention in Architecture and Technology Intervention in Architecture and Technology Intervention in Architecture Heritage Introduction to Science and Technology Intervention in Architectural Heritage Intervention in Architectural Herita | Architecture and Cinema   | 4               | Optional |
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| Cities in History       4       Optional         Contemporary Collective Housing Seminar. New Ways of Living       3       Optional         Designing, Calculating and Building in Wood - Vol. I       4       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         History of Western Art I: From Giotto to Delacroix       3       Optional         History of Western Art II: from Courbet to Klein       3       Optional         Housing and Construction Seminar       3       Optional         Housing and Cooperation       5       Optional         Housing and Neighborhood Regeneration       3       Optional         Hybrid Equipment Seminar. Wood Technology       3       Optional         Ideation and Drawing Workshop: Visual Diary of a Creative Process       3       Optional         Innovations in Architecture and Technology       3       Optional         Interior Architecture       3       Optional         Interior Architecture and Technology       3       Optional         Interpretation in Architecture Heritage       3       Optional         Interpretation in Architecture Recycled Art   | Business Management and Start-Up for Architects   | 3               | Optional |
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| History of Western Art I: From Giotto to Delacroix  History of Western Art II: from Courbet to Klein  3 Optional Housing and Construction Seminar  4 Optional Housing and Cooperation  5 Optional Housing and Neighborhood Regeneration  5 Optional Housing and Neighborhood Regeneration  5 Optional Hybrid Equipment Seminar. Wood Technology  3 Optional Ideation and Drawing Workshop: Visual Diary of a Creative Process  3 Optional Innovations in Architecture and Technology  3 Optional Interior Architecture  3 Optional Interior Architecture  3 Optional Intervention in Architectural Heritage  3 Optional Intervention in Architectural Heritage  3 Optional Introduction to Scenography  4 Optional Introduction to Scenography Intervention in Architectural Heritage Interven |   | 3               | Optional |
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| Innovations in Architecture and Technology3OptionalInterior Architecture3OptionalInternational Design Workshop4OptionalIntervention in Architectural Heritage3OptionalIntroduction to Scenography4OptionalJosep Maria Jujol: Sustainable Architecture, Recycled Art3OptionalLaboratory of Computational Architecture Seminar3OptionalLead Architects Seminar. Collaborative Tools3OptionalLlum Bcn Festival3OptionalLow-Cost Technologies for Cooperation5OptionalMallorca Collage4OptionalMetropolitan Barcelona: Open Data and Digital Cartographies4OptionalModern Architecture in Spain: a Critical View3Optional  | Hybrid Equipment Seminar. Wood Technology   | 3               | Optional |
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| Mallorca Collage4OptionalMetropolitan Barcelona: Open Data and Digital Cartographies4OptionalModern Architecture in Spain: a Critical View3Optional  | Llum Bcn Festival   | 3               | Optional |
| Metropolitan Barcelona: Open Data and Digital Cartographies4OptionalModern Architecture in Spain: a Critical View3Optional   | Low-Cost Technologies for Cooperation   | 5               | Optional |
| Modern Architecture in Spain: a Critical View 3 Optional   | Mallorca Collage  | 4               | Optional |
| · · · · · · · · · · · · · · · · · · ·  | Metropolitan Barcelona: Open Data and Digital Cartographies                             | 4               | Optional |
| Natural and Artificial Lighting. Architecture, Technology and Art  3 Optional  | Modern Architecture in Spain: a Critical View   | 3               | Optional |
|  | Natural and Artificial Lighting. Architecture, Technology and Art                       | 3               | Optional |

| Subjects  | ECTS credits | Туре     |
|---|--------------|----------|
| New York-Barcelona: Urban Tissue Atlas                                  | 3            | Optional |
| Nordic Masters  | 5            | Optional |
| Project and Memory Seminar  | 3            | Optional |
| Public Space and Landscape Seminar                                      | 3            | Optional |
| Recovery and Reprogramming of Obsolete Buildings and Urban Environments | 3            | Optional |
| Rehabilitation Techniques and Application                               | 3            | Optional |
| Reinforced Concrete Structures: Waffle Slabs                            | 3            | Optional |
| Renewable Energies in Architecture                                      | 4            | Optional |
| Structural Planning: Design and Construction with BIM as a Support Tool | 3            | Optional |
| Territory and Landscape   | 3            | Optional |
| Territory, City and Landscape Seminar                                   | 3            | Optional |
| To Look is to Design: Architects and Photography                        | 5            | Optional |
| Urban Architecture: Historic City                                       | 4            | Optional |
| Urban Notes   | 3            | Optional |
| Visiting Studio Seminar II  | 3            | Optional |
| Walking Barcelona   | 5            | Optional |

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