Degree in Architecture Studies
Vallès School of Architecture (ETSAV)

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 academic 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
Vallès School of Architecture (ETSAV)

Official degree
Recorded in the Ministry of Education's degree register

ADMISSION

Places
110

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

Vallès School of Architecture (ETSAV)

This bachelor's degree is also taught at
- Barcelona · ETSAB · Show degree

CURRICULUM

Subjects	ECTS credits	Type
FIRST SEMESTER		
Analytic Geometry	6	Compulsory
Basic Technique	6	Compulsory
Drawing	6	Compulsory
Environmental Physics	6	Compulsory
Habitat and Space	6	Compulsory
SECOND SEMESTER		
Basic Theory	6	Compulsory
Calculus	6	Compulsory
Form and Space	6	Compulsory
Mechanics	6	Compulsory
Technical Drawing	6	Compulsory
THIRD SEMESTER		
Architectural Representation of the Site	3	Compulsory

Subjects	ECTS credits	Type
Architecture and Design Workshop: Society and City	8	Compulsory
Architecture and the City	6	Compulsory
Environment, Free Space and City	5	Compulsory
Environmental Building Design	4	Compulsory
Forces and Stresses	4	Compulsory
FOURTH SEMESTER		
Architectural Representation and Modelling	5	Compulsory
Architecture and Design Workshop: Site and City	12	Compulsory
Composition I	3	Compulsory
Construction Systems I	6	Compulsory
Shape and Deformations	4	Compulsory
FIFTH SEMESTER		
Architecture and Design Workshop: Housing and Technique	12	Compulsory
City and Residential Project	5	Compulsory
Composition II	3	Compulsory
Hyperstatic Structures	3	Compulsory
Technology of Interior Spaces	7	Compulsory
SIXTH SEMESTER		
Architectural Representation of the Project	5	Compulsory
Architecture and Design Workshop: Housing and Urban Environment	12	Compulsory
Construction Systems II	7	Compulsory
Reinforced Concrete Structures	3	Compulsory
Theory and History I	3	Compulsory
SEVENTH SEMESTER		
Architecture and Design Workshop VII	12	Compulsory
Light Building Envelopes	4	Compulsory
Prominent Structures	3	Compulsory
Urban Design III	5	Compulsory
EIGHTH SEMESTER		
Architecture and Design Workshop VIII	12	Compulsory
Composition IV	4	Compulsory
Construction and Remodelling of Urban Space	4	Compulsory
Soil Mechanics and Foundations	3	Compulsory
NINTH SEMESTER		
Architecture and Design Workshop IX	12	Compulsory
Intervention in the Building Stock	4	Compulsory
Urban Design IV	5	Compulsory
TENTH SEMESTER		

Subjects	ECTS credits	Type
Architecture and Design Workshop X	12	Compulsory
Building What Has Been Designed	6	Compulsory
Composition V	4	Compulsory
Bachelor's Thesis	6	Project
OPTIONAL		
1:1 Scale	5	Optional
3D Model Rendering	3	Optional
Abc: Methodological Studies in Urban Analysis	3	Optional
Advanced Architectural Interiors	4	Optional
Analysis, Consolidation and Reinforcement of Existing Structures	3	Optional
Analysis, Consolidation and Reinforcement of Existing Structures	2.5	Optional
Analysis, Consolidation and Reinforcement of Existing Structures: Design and Predimensioning	3.5	Optional
Anamorphosis	2.5	Optional
Applied Reinforced Concrete	4	Optional
Architectural Building Solutions Workshop (Tosca)	3.5	Optional
Architecture and Cooperation	3	Optional
Architecture of Monasteries	5	Optional
Architecture: Ideation and Graphic Communication	2.5	Optional
Aulaarq: Architecture Auscultation	3	Optional
Barcelona, Its History and Its Architecture	5.5	Optional
Barcelona-Chicago Architecture	3	Optional
Barcelona. Architecture. Imagination	4	Optional
Barcelona. Architecture. Imagination	4	Optional
Barcelona. Architecture. Imagination	4.5	Optional
BIM for Project Design and Management	3.5	Optional
Bim: Drywall Construction Models	3.5	Optional
Bioclimatic Architecture	3.5	Optional
Bioclimatic Architecture	4	Optional
Body and Space	3	Optional
Building Envelope Design	3	Optional
Building in Extreme Conditions	3	Optional
Canons of Catalan Architecture	5.5	Optional
Canons of Catalan Architecture: After Coderch I (Up to 1992)	5	Optional
Canons of Catalan Architecture: After Coderch II (From 1992)	5	Optional
Cities Revis(It)Ed Workshop	3.5	Optional
Cities: Stone on Paper	3.5	Optional
City and Life	4	Optional
City and Memory: Public Space, Art, Activism, Politics and Community	5	Optional

Subjects	ECTS credits	Type
Communicative Structures	3	Optional
Community Labs, the Art of Living Together	4	Optional
Computer-Aided Structural Design	3.5	Optional
Computer-Aided Structural Design	4.5	Optional
Construction Details	4.5	Optional
Construction of Steel Structures	2.5	Optional
Cooperative Organisation and the Professional World	4	Optional
D-Urbanism	4	Optional
Delirious Festaps1: Research on Architectural Exhibition Formats	5	Optional
Delirious Festaps2: Architectural Exhibition Design and Production	5	Optional
Designing Resilience: Architecture, Climate Change and Extreme Climatology	3	Optional
Designing the City	4	Optional
Digitization of Architecture	4	Optional
Drift Drawings	3	Optional
Drift Drawings and Watercolour	4	Optional
Dtechnology	4	Optional
Earth Architectures	5	Optional
Earth Architectures	3	Optional
Ecological Urbanism: Theory and History	4	Optional
Energy Rehabilitation of the Modern Facade (Second Period: 1950-1965)	3.5	Optional
Episode	3	Optional
Execution Process and Technological Innovation	4.5	Optional
Exploring Architectural Media and Video Documentaries	3	Optional
Food Takes Command	3	Optional
Forming Form	5	Optional
Formmars_Labs	3	Optional
Gaudí: Geometry and Mechanics	5	Optional
Gaudí: Geometry and Mechanics	4.5	Optional
Gis: City and Regional Analysis with Esri Technology	3.5	Optional
Graphic and Qualitative Methods in Structural Analysis and Design	3	Optional
Graphical Analysis of Information V.2	4	Optional
Graphical Statics: from Gaudí to Parametric Tools	3	Optional
Heritage: Discussions, Proceedings, Actions	3.5	Optional
How to Design an Efficient and Healthy Building: Use of Passivhaus and Well Standards	3	Optional
Informal Mathematics and Computer Programming for Parametric Design	3	Optional
Introduction to Parametric Architecture	3	Optional
Introduction to Parametric Architecture	4	Optional
Languedoc-Roussillon: the Architecture of the Holidays	3.5	Optional

Subjects	ECTS credits	Type
Le Corbusier's Architectural Legacy Fifty Years Later	3	Optional
Learning From Barcelona	2.5	Optional
Learning From Barcelona	4.5	Optional
Learning from Copenhagen	3	Optional
Lightweight Construction	4.5	Optional
Lightweight Construction	4	Optional
Local Action 1	6	Optional
Local Action 2	3	Optional
Local Action 3	6	Optional
Low3 - Zero Living	2	Optional
Low3 - Zero Living	3	Optional
Low3 - Zero Living	5	Optional
Making Without Plans: Mediated Authorships, Synthetic Architectures	4	Optional
Medea_Lab	3	Optional
Msp Vallès: Material, System, Prototype	5	Optional
Needs of the Catalan Baroque: the Miracle of the Miracle	3	Optional
Other Concrete	3	Optional
Parametric Architecture	3.5	Optional
Parametric Architecture	4	Optional
Plaster Models	3.5	Optional
Projects (Problems and Solutions)	5	Optional
Projects in Cultural Landscapes	4.5	Optional
Radical Reynals	3	Optional
Rehabilitation Criteria and Techniques	4.5	Optional
Reinforced Concrete Structures. One-Way and Two-Way Slabs	4	Optional
Rendering 3D Models V.2	4	Optional
Rowe After Rowe	3	Optional
Rpv-Inhabiting, Cohabiting and Coexisting: a Journey from the Home to the City	4	Optional
Solar Decathlon 1.0	6	Optional
Solar Decathlon 2014	7	Optional
Solar Decathlon 2018	6	Optional
Solar Decathlon: Assembly 1	6	Optional
Solar Decathlon: Assembly 2	4	Optional
Sound Makes Space	4	Optional
Sound Quality of Architecture	2.5	Optional
Spatial Network Dynamics	4.5	Optional
Steel Structures	4.5	Optional
Steel Structures	4	Optional

Subjects	ECTS credits	Type
Steel Structures	2.5	Optional
Steel Structures	3	Optional
Súnion: Learning Innovation	3.5	Optional
Súnion: Learning Innovation	3	Optional
The Experience of Architecture	3	Optional
The Experience of Architecture 03: 'Brussels'	3	Optional
The Explosion of the Contemporary City	4	Optional
The Invisible City	4	Optional
Theory and History of Visual Thought in Architecture	4	Optional
Tosca	3.5	Optional
Trans-	3.5	Optional
Trans-Flanders	4	Optional
Trans-Madrid	4	Optional
Travel Notes	6	Optional
Travel Notes: Milan	5	Optional
Travel Notes: Rome	5	Optional
Travel Notes: Venice	5	Optional
Trees in Landscape Architecture	3.5	Optional
Urban and Architectural Drawing and Photography	3	Optional
Urban Metabolism: the Rels Project	4.5	Optional
Urban Metabolism: the Rels Project 2	4.5	Optional
Urban Robotics: Opportunities for Redesign	4	Optional
Watercolour	5	Optional
Watercolour	3	Optional
What IT is Important to Explain About an Architectural Project and How to Communicate IT	2.5	Optional
Wooden Structures	3	Optional
Wooden Structures	3.5	Optional
Wooden Structures	2.5	Optional
Workshop: Local Action	3	Optional
Zeta	4	Optional