

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 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

Fees and grants

Approximate fees per academic year: €1,502 (€2,253 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

100

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.](#)

DOUBLE-DEGREE AGREEMENTS

With universities around the world

- Degree in Architecture Studies and Laurea Magistrale a Ciclo Unico in Architettura (Classe LM-4) from the Università degli Studi di Enna "Kore"

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](#)

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
Basics for Technique	6	Compulsory
Drawing	6	Compulsory
Environmental Physics	6	Compulsory
Habitat and Space	6	Compulsory
SECOND SEMESTER		
Basics for 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
Architecture and City	6	Compulsory
Efforts and Tensions	4	Compulsory
Environment, Free Space and City	5	Compulsory
Environmental Building Design	4	Compulsory
TAP Society and City	8	Compulsory

Subjects	ECTS credits	Type
FOURTH SEMESTER		
Architectural Representation and Modeling	5	Compulsory
Composition I	3	Compulsory
Construction Systems I	6	Compulsory
Shape and Deformations	4	Compulsory
TAP Site and City	12	Compulsory
FIFTH SEMESTER		
City and Residential Project	5	Compulsory
Composition II	3	Compulsory
Hyperstatic Structures	3	Compulsory
Interior Spaces Technology	7	Compulsory
TAP Housing and Technique	12	Compulsory
SIXTH SEMESTER		
Architectural Representation of the Project	5	Compulsory
Construction Systems II	7	Compulsory
Reinforced Concrete Structures	3	Compulsory
TAP Housing and Urban Environment	12	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
Town Planning 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
Town Planning IV	5	Compulsory
TENTH SEMESTER		
Architecture and Design Workshop X	12	Compulsory
Building as Designed	6	Compulsory
Composition V	4	Compulsory
Bachelor's Thesis	6	Project
OPTIONAL		

Subjects	ECTS credits	Type
(Ang) Derives Dibuxades	3	Optional
3D Model Rendering	3	Optional
Acoustic Design	3	Optional
Advanced Architectural Interiors	4	Optional
Analysis, Consolidation and Strengthening of Existing Structures	3	Optional
Analysis, Consolidation and Strengthening of Existing Structures	2.5	Optional
Analysis, Consolidation and Strengthening of Existing Structures. Design and Pre-Dimensioning	3.5	Optional
Anamorphosis	2.5	Optional
Applied Reinforced Concrete	4	Optional
Architecture and Cooperation	3	Optional
Architecture and Cooperation	2	Optional
Architecture of Monasteries	5	Optional
Architecture: Ideation and Graphic Communication	2.5	Optional
Aulaarq Architecture Auscultation	3	Optional
Aularch Architecture Auscultation	3.5	Optional
Barcelona, Architecture, Imagination	4	Optional
Barcelona, Architecture, Imagination	4.5	Optional
Barcelona. Architecture. Imagination	4	Optional
Bim for Project Design and Management	3.5	Optional
Bim the Constructive Model with Pladur's Elements	3.5	Optional
Bioclimatic Architecture	3.5	Optional
Bioclimatic Architecture	4	Optional
Build in Extremes	3	Optional
Canons of Catalan Architecture	5.5	Optional
Canons of Catalan Architecture: After Coderch and (So Far 1992)	5	Optional
Canons of Catalan Architecture: After Coderch II (From 1992)	5	Optional
Cities: Stone on Paper	3.5	Optional
City and Life	4	Optional
Communicative Structures	3	Optional
Computer-Aided Structural Design	3.5	Optional
Computer-Aided Structural Design	4.5	Optional
Construction of Steel Structures	2.5	Optional
Constructive Details	4.5	Optional
Dtechnology	4	Optional
Durbanism	4	Optional
Ecological Urbanism: Theory and History	4	Optional
Energy Rehabilitation of the Modern Facade (Second Period_1950-65)	3.5	Optional
Execution Process and Technological Innovation	4.5	Optional

Subjects	ECTS credits	Type
Food Takes Command	3	Optional
Forming Form	5	Optional
Gaudí. Geometry and Mechanics	5	Optional
Gaudí. Geometry and Mechanics	4.5	Optional
Gis	3.5	Optional
Graphic and Qualitative Methods in Structural Analysis and Design	3	Optional
Graphical Analysis of Information	3	Optional
Heritage: Discussions, Proceedings, Actions	3.5	Optional
Informal Mathematics and Computer Programming for Parametric Design	3	Optional
Inside	3	Optional
Introduction to Electronic Portfolios	2	Optional
Introduction to Parametric Architecture	3	Optional
Languedoc-Roussillon: the Architecture of the Holidays	3.5	Optional
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
Low3 - Zero Living	2	Optional
Low3 Living Zero	3	Optional
Necessities of the Baroque: the Miracle of the Miracle	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
Rehabilitation Criteria and Techniques	4.5	Optional
Reinforced Concrete Structures. Unidirectional and Bidirectional	4	Optional
Reynalds Radical	3	Optional
Rowe After of Rowe	3	Optional
Rpv	4	Optional
Scale 1:1	5	Optional
Solar Decathlon 1.0.	6	Optional
Solar Decathlon 2014_14p_Dldj	7	Optional
Solar Decathlon Qp18	6	Optional
Solar_Assembly 1	6	Optional
Solar_Assembly 2	4	Optional

Subjects	ECTS credits	Type
Sound Quality of Architecture	2.5	Optional
Spatial Network Dynamics	4.5	Optional
Steel Structures	4.5	Optional
Steel Structures	4	Optional
Steel Structures	2.5	Optional
Steel Structures	3	Optional
Sunion Learning Innovation	3.5	Optional
Sunion Learning Innovation	3	Optional
The City Project	4	Optional
The Explosion of the Contemporary City	4	Optional
The Trees in Landscape Architecture	3.5	Optional
Today's Classroom	3	Optional
Tosca	3.5	Optional
Trans-	3.5	Optional
Trans-Flandes	4	Optional
Travel Notes: Milan	5	Optional
Travel Notes: Rome	5	Optional
Travel Notes: Venice	5	Optional
Urban Metabolism: the Rels Project	4.5	Optional
Urban Metabolism: the Rels Project 2	4.5	Optional
Watercolor	5	Optional
Watercolor	3	Optional
What is Important to Explain a Project of Architecture and How IT Communicates	2.5	Optional
Wooden Structures	3	Optional
Wooden Structures	3.5	Optional
Wooden Structures	2.5	Optional
Workshop Cities Revis (It)	3.5	Optional
Zeta	4	Optional