Master's degree in Architecture

The master's degree in Architecture qualifies graduates for professional practice in architecture. It aims to provide advanced knowledge that furthers the learning acquired on the degree in Architecture Studies or equivalent. It provides solid training that may be furthered in three areas: habitat, heritage and the city. Students work in multidisciplinary workshops on spatial projects that approach contemporary problems from the standpoint of sustainability.

GENERAL DETAILS

Duration and start date
1 academic year, 60 ECTS credits. Starting September and February

Timetable and delivery
Afternoons. Face-to-face

Fees and grants
Approximate fees for the master's degree, excluding degree certificate fee, €2,650 (€3,975 for non-EU residents).
More information about fees and payment options
More information about grants and loans

Language of instruction
Subjects will be taught in Catalan or Spanish, depending on the student's level of comprehension and on the teaching objectives of the master's degree course.

Location
Vallès School of Architecture (ETSAV)

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

ADMISSION

General requirements
Academic requirements for admission to master's degrees

Specific requirements
The master's degree in Architecture is reserved exclusively for:

- graduates of the degree in Architecture Studies from Spanish universities.

Places
60 September + 40 February

Pre-enrolment
Pre-enrolment closed (consult the new pre-enrolment periods in the academic calendar).
How to pre-enrol

Enrolment
How to enrol

Legalisation of foreign documents
All documents issued in non-EU countries must be legalised and bear the corresponding apostille.
Professional opportunities

Graduates of the master’s degree are generally employed as managers or as experts working on teams in areas and activities related to architecture, particularly building construction and urbanism.

- Design and management of architectural works.
- Rehabilitation of buildings and urban spaces.
- Restoration of buildings that are listed or protected for their environmental, historical or artistic value.
- Design and management of urbanism works.
- Spatial planning.
- Drafting of ordinances and urban plans on different scales.
- Management of land, landscape and the environment.
- Design and management of building works. Civil works.
- Design, calculation and management of structures, installations and building systems.
- Environmental impact studies of structures, installations and building systems.
- Diagnosis of the energy consumption of buildings and urban spaces.
- Teaching and research.

Competencies

Generic competencies

Generic competencies are the skills that graduates acquire regardless of the specific course or field of study. The generic competencies established by the UPC are capacity for innovation and entrepreneurship, sustainability and social commitment, knowledge of a foreign language (preferably English), teamwork and proper use of information resources.

On completion of the master's degree, graduates will have acquired the following competencies:

- Ability to conceive, calculate, design and implement building structures and integrate them into existing buildings and urban areas.
- Ability to conceive, calculate, design and implement systems for the division of interiors, carpentry, stairs and other finishing work and integrate them into existing buildings and urban areas.
- Ability to conceive, calculate, design and erect enclosures, roofs and other structural work and integrate them into existing buildings and urban areas.
- Ability to conceive, calculate, design and install water supply, sewage, heating and air conditioning systems and integrating them into existing buildings and urban areas.
- Ability to conceive and develop basic and detailed designs, sketches and drafts.
- Ability to conceive and develop urban design schemes.
- Ability to conceive and carry out construction site management.
- Ability to carry out the functional programming of buildings and urban spaces.
- Ability to intervene in the built heritage and to conserve, restore and rehabilitate it.
- Ability to make architectural criticism.
- Ability to draft and manage urban plans on any scale.
- Ability to conceive, calculate, design and implement systems for the division of interiors, carpentry, stairs and other finishing work and integrating them into existing buildings and urban areas.
- Ability to conceive, calculate, design and erect enclosures, roofs and other structural work and integrating them into existing buildings and urban areas.
- Ability to conceive, calculate, design and install water supply, sewage, heating and air conditioning systems and integrating them into existing buildings and urban areas.
- Ability to conceive and develop basic and detailed designs, sketches and drafts.
- Ability to conceive and develop urban design schemes.
- Ability to conceive and carry out construction site management.
- Ability to carry out the functional programming of buildings and urban spaces.
- Ability to intervene in the built heritage and to conserve, restore and rehabilitate it.
- Ability to make architectural criticism.
- Ability to draft and manage urban plans on any scale.
## CURRICULUM

<table>
<thead>
<tr>
<th>Subjects</th>
<th>ECTS credits</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Ang) Posta en Obra del Projecte Tecnològic</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Communicate Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Constructive Sensibility</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Design Workshop</td>
<td>12</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Evolutionary and Adaptive Strategies for Habitat</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Material Patrimony</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Method and Analysis of Urban and Territorial Planning</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Soft Structures</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Strategy, Process and Organization of the Project</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Technological Workshop</td>
<td>8</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Final Thesis</td>
<td>30</td>
<td>Project</td>
</tr>
</tbody>
</table>

February 2019. UPC. Universitat Politècnica de Catalunya · BarcelonaTech