Master's degree in Advanced Studies in Architecture-Barcelona (MBArch)

The aim of the master's degree in Advanced Studies in Architecture-Barcelona (MBArch) is to train students in research, innovation and contemporary architectural design in a manner that is flexible and directed towards a specialisation. With an emphasis on expertise, erudition, tradition and professional practice, the Barcelona School of Architecture offers a comprehensive approach to a professional or teaching career in architecture.

Specialities

**Contemporary Design** (taught entirely in English)
The aim of this specialisation is to expand upon, investigate and disseminate approaches to design in the city of Barcelona—a world-class example of architectural and urban design—with an emphasis on the role of the materiality and use of scale in architectural design.

**Urban and Architectural Management and Valuation**
The aim of this specialisation is to promote research in urban and spatial planning and management that addresses spatial, urban and real estate problems from a transdisciplinary perspective that takes into account the technical, legal, economic and social aspects of urban management and valuation.

**Urbanism**
The aim of this specialisation is to produce highly qualified researchers in the field of urban design research, and to study and reflect upon key topics in the history of urbanism and contemporary urban design and approaches to analysis and intervention on regional and urban scales.

**Process, Design and Programming**
The aim of this specialisation is to equip students with techniques for research into the theory and practice of design and the poetics, ethics and epistemology of architectural design, for them to become familiar with the work of representative architects and to restore the idea of function as the core of design.

**Theory, History and Culture**
The aim of this specialisation is to provide the specialised knowledge needed for professional practice in the fields of cultural and museum management, architectural and urban heritage management, mediation in participation processes and the provision of historical and heritage documentation for all kinds of public and private institutions.

**Architecture, Energy and Environment** (taught entirely in Spanish)
This is a specialisation that allows students to acquire and develop research skills for the energy assessment of architecture and urban structures, environmental impact assessment of architectural and urban development projects and the application of natural and artificial environmental conditioning techniques.

**Technological Innovation in Architecture**
The aim of this specialisation is to provide expertise in technological innovation and advanced knowledge and technical skills that can be applied to design and used in teams working on research and innovation.

**Architectural Restoration and Rehabilitation**
The aim of this specialisation is to provide students with the skills to carry out analysis, design and research in the fields of architectural restoration and rehabilitation.

Specialisations

- Contemporary Design
- Urban and Architectural Management and Valuation
- Urbanism
- Process, Design and Programming
- Theory, History and Culture
GENERAL DETAILS

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

Timetable and delivery
Afternoons. Face-to-face

Fees and grants
Approximate fees for the master's degree, excluding other costs, €1,660 (€4,150 for non-EU residents).
More information about fees and payment options
More information about grants and loans

Language of instruction
Check the language of instruction for each subject in the course guide in the curriculum. The Contemporary Project specialisation is taught entirely in English. The Architecture, Energy and Environment specialisation is taught entirely in Spanish.

Information on language use in the classroom and students’ language rights.

Location
Barcelona School of Architecture (ETSAB)

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

ADMISSION

General requirements
Academic requirements for admission to master's degrees

Places
200

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.

DOUBLE-DEGREE AGREEMENTS

Double-degree pathways with universities around the world
• Master's degree in Advanced Studies in Architecture-Barcelona (MBA) + Master of Architecture (College of Architecture and Urban Planning, Tongji University, Shanghai, China)

PROFESSIONAL OPPORTUNITIES

Professional opportunities
Graduates of the master's degree are generally employed as managers or experts working on teams in the following areas:

- Any of the areas of specialisation of the master's degree in professional firms.
- University teaching in architectural design, criticism, technology and urbanism.
- Research. Doctoral studies.
- Creation, management and leadership of businesses involved in the construction process.
- Curating of architecture exhibitions and cultural management related to architecture.
- Management of urban design processes.
- Public administration, as specialists in strategic decision making on the various scales of architectural and urban design.

**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.

**Specific competencies**

- The ability to adopt a balanced approach to the environment and architectural technology, including views on current developments, knowledge and research in the various areas of specialisation, and the ability to show discernment and discuss a chosen topic.
- The ability to adopt a balanced approach to urbanism and architectural design, including views on current developments, knowledge and research in the various areas of specialisation, and the ability to show discernment and discuss a chosen topic.
- The ability to demonstrate a balanced overall perspective based on architectural theory and criticism, on the current state of knowledge and research and how they can be approached in the various specialisations, and the ability to show discernment and discuss a chosen topic.
- A capacity for spatial planning based on criteria of economic competitiveness, social cohesion and environmental sustainability.
- The ability to intervene in land management processes on urban and regional scales.
- The ability to carry out real estate appraisal on architectural and urban works and environmental practices.
- A capacity for urban, regional and environmental analysis, evaluation and management using new information and communication technologies such as geographic information systems.
- The ability to manage the city intelligently, equitably and sustainably (smart city governance).
- The ability to apply legal instruments related to urban management and public land policies.
- The ability to carry out high-end basic and applied research in relevant fields.
- The ability to reflect upon and discuss the main issues in the various fields of activity of urban design.
- The ability to analyse the urban and regional issues of planning.
- The ability to integrate the sociological, economic, technical and management dimensions of urbanism into a reflection on forms of physical intervention.
- The ability to communicate and interact with different agents, users, public representatives and decision-makers.
- The ability to work in multidisciplinary and multicultural teams.
- The ability to reach a systematic understanding of urbanism and its research techniques and methods.
- The ability to conceive, design and carry out research on urbanism with academic rigour.
- The ability to contribute, through original research, to expanding the frontiers of scholarly knowledge through critical analysis, evaluation and synthesis.
- The ability to use the latest architectural representation techniques and demonstrate skill in their intentional use following the premises of contemporary architectural design.
- The ability to intervene in the decision-making process when a complex project is being carried out.
- The ability to conceive and carry out architectural projects using the advanced theoretical foundations of design.
- The ability to research the urban and regional environment and cultural context in order to use them as inputs in architectural design.
- The ability to understand the relation between architecture and other artistic disciplines and apply this understanding in architectural and urban design.
- The ability to apply interpretation and intervention strategies to territories and urban forms that are undergoing transformation.
- The ability to understand the theory and history of architecture within the tradition of theoretical and critical
thought in our culture and the general context of the arts, technology and the construction of space.
- The ability to apply analytical methods and current historiographical trends related to theories of art, architecture and the city.
- The ability to develop critical reasoning skills about architecture and its historical and contemporary social and cultural context in order to communicate and summarise ideas and discussions related to artistic and architectural production, the production of space in general, and urban and cultural management.
- The ability to carry out research projects on the theory and history of architecture in the process of writing a doctoral thesis or contributing to the cultural management of a city and its museums.
- The ability to evaluate architecture and urban structures from an energy perspective.
- The ability to appraise architectural and urban projects in environmental terms.
- The ability to understand climate, lighting and acoustic phenomena in architectural spaces and their influence on human perception and comfort.
- The ability to analyse the formal influence of energy-related and environmental techniques in architecture and their aesthetic repercussions.
- The ability to understand state-of-the-art techniques and systems in the field of architectural structures.
- The ability to foster critical thinking in structural design, in the fields pertaining to new, highly complex designs and in heritage interventions.
- The ability to understand methodological resources for carrying out research and promoting technological innovation from a review of the state of the art.
- The ability to use resources to critically analyse the progress of architectural technology, including new materials, techniques, building systems and environmental conditioning systems.
- The ability to understand technological innovation, particularly in sustainable building, the industrialisation of construction, environmental conditioning systems of buildings and digital material design and production techniques.
- The ability to put new knowledge of advanced architectural technology into practice in research and professional practice.
- The ability to identify and critically analyse the historical and architectural value of buildings and urban spaces that can be restored, preserved or transformed.
- The ability to understand diagnosis and other techniques for designing and managing interventions for rehabilitating and restoring heritage buildings and buildings of public use.
- The ability to apply methodological resources in research in fields related to the theory of intervention practices in heritage buildings or sites and the building stock in general.
- The ability to work concurrently on several scales with the introduction of materiality from the beginning of the project and a creative interpretation of the functional brief.
- The ability to demonstrate broad knowledge of the current state of research; the ability to diagnose the problem to be studied and to draft development proposals and hypotheses for the research questions; and the ability to propose the subsequent original lines of research, innovation and specialisation.
- The ability to write, present and defend an original individual piece of work to an examination committee once all of the credits for the master's degree have been obtained.

**ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS**

**UPC school**
- Barcelona School of Architecture (ETSAB)

**Academic coordinator**
- Ernest Redondo Domínguez

**Academic calendar**
- General academic calendar for bachelor's, master's and doctoral degrees courses

**Academic regulations**
- Academic regulations for master's degree courses at the UPC

**CURRICULUM**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>ECTS credits</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subjects</td>
<td>ECTS credits</td>
<td>Type</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>--------------</td>
<td>------------</td>
</tr>
<tr>
<td>FIRST SEMESTER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Subjects</td>
<td>ECTS credits</td>
<td>Type</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>Specialisation in Generic Master</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acoustics in Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architectural Criticism: Production, Reproduction and Debate</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architectural Rehabilitation and Restoration Intervention Techniques:</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Occupant Safety and Health Regulations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Rehabilitation and Restoration Intervention Techniques:</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Safety Measures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City, Territory and GIS</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Contemporary Architectural Topics</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Cultural Landscapes, Heritage and Territorial Design</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Design and Thought</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Design Scales</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Designing the City: Emerging Cities and Territories</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Domestic</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Environmental Impact of Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Evolution of Building Materials and Products</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Historic and Heritage Construction</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Historiography of Art and Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>History of Art and Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Industrialised Building Systems and Technologies</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Innovation in Mixed and Laminated Steel Structures</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Key Aspects of Urban Projects</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Project, Waste and Recycling</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Rehabilitation, Pathologies and Structural Reinforcement</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Sonic Landscape and Advanced Architectural Acoustics</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Space and Light</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Strategies for Zero-Energy Buildings</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Territory as Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Theory of Arts and Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban and Regional Analysis and Planning</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban Design: Ideas and Praxis</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban Landscapes</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban Planners in Their Cities</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban Policies and City Management</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Subjects</td>
<td>ECTS credits</td>
<td>Type</td>
</tr>
<tr>
<td>----------</td>
<td>--------------</td>
<td>------</td>
</tr>
<tr>
<td><strong>Specialisation in Architectural Restoration and Rehabilitation Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Rehabilitation and Restoration Intervention Techniques: Occupant Safety and Health Regulations</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architectural Rehabilitation and Restoration Intervention Techniques: Safety Measures</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Historic and Heritage Construction</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Rehabilitation, Pathologies and Structural Reinforcement</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td><strong>Specialisation in Architectural Structures Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Innovation in Mixed and Laminated Steel Structures</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Rehabilitation, Pathologies and Structural Reinforcement</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td><strong>Specialisation in Architecture, Energy and Environment Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acoustics in Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Environmental Impact of Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Space and Light</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td><strong>Specialisation in Contemporary Design Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contemporary Architectural Topics</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Design and Thought</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Design Scales</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Urban Design: Ideas and Praxis</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td><strong>Specialisation in Design, Process and Programming Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Domestic</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Project, Waste and Recycling</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban Landscapes</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Subjects</td>
<td>ECTS credits</td>
<td>Type</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>--------------</td>
<td>---------------</td>
</tr>
<tr>
<td><strong>Specialisation in Technological Innovation in Architecture Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evolution of Building Materials and Products</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Industrialised Building Systems and Technologies</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Innovation in Mixed and Laminated Steel Structures</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Sonic Landscape and Advanced Architectural Acoustics</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Strategies for Zero-Energy Buildings</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td><strong>Specialisation in Theory, History and Culture</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Criticism: Production, Reproduction and Debate</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Historiography of Art and Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>History of Art and Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Theory of Arts and Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td><strong>Specialisation in Urban and Architectural Management and Valuation Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City, Territory and GIS</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Urban and Regional Analysis and Planning</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Urban Policies and City Management</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td><strong>Specialisation in Urbanism Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultural Landscapes, Heritage and Territorial Design</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Designing the City: Emerging Cities and Territories</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Key Aspects of Urban Projects</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Territory as Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban Planners in Their Cities</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, City and Project</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Environment and Technology</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Architecture, Theory and Criticism</td>
<td>5</td>
<td>Compulsory</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER**
<table>
<thead>
<tr>
<th>Subjects</th>
<th>ECTS credits</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specialisation in Generic Master</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced and Innovative Structural Materials</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Advanced Architectural and Landscape Lighting</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Advanced Technology for the Construction of the Interior Space in Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architectural Rehabilitation and Restoration Projects</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture and Creativity</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture and Culture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, Science, Technology</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Comparative Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Contemporary Residential Urban Project</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Design and Materiality</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Design Perspectives</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Design Theory</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Energy and Comfort</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Environmental Assessment</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>From the Private to the Public Space</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>History, Architecture and City</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Integrated Exterior Cladding</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>New Representations: New Conceptions</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Public Space, Experiences, Projects and Policies</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Regional and Urban Transformations Due to Sun-And-Beach Tourism</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Rehabilitation of Large Residential Complexes and Industrial Areas</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>The City as Local Versus Global Interface</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>The Public Space in Urban Reform</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>The Rules of Urban Form</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>The Territory as Project, Regional Mosaic City</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban and Architectural Management and Valuation Research Seminar</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban and Real Estate Valuation</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban and Regional Economics</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban Sustainability and Environmental Assessment Methods</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urbanism of the Other 98%</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td><strong>Specialisation in Architectural Restoration and Rehabilitation Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Rehabilitation and Restoration Projects</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Rehabilitation of Large Residential Complexes and Industrial Areas</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td><strong>Specialisation in Architectural Structures Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced and Innovative Structural Materials</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td>Subjects</td>
<td>ECTS Credits</td>
<td>Type</td>
</tr>
<tr>
<td>----------</td>
<td>--------------</td>
<td>---------------</td>
</tr>
<tr>
<td><strong>Specialisation in Architecture, Energy and Environment Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design Perspectives</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Energy and Comfort</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Environmental Assessment</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td><strong>Specialisation in Contemporary Design Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design and Materiality</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>From the Private to the Public Space</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>New Representations: New Conceptions</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>The Public Space in Urban Reform</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td><strong>Specialisation in Design, Process and Programming Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture and Creativity</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Comparative Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Design Theory</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td><strong>Specialisation in Technological Innovation in Architecture Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced and Innovative Structural Materials</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Advanced Architectural and Landscape Lighting</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Advanced Technology for the Construction of the Interior Space in Architecture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Integrated Exterior Cladding</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td><strong>Specialisation in Theory, History and Culture</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture and Culture</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Architecture, Science, Technology</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>History, Architecture and City</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td><strong>Specialisation in Urban and Architectural Management and Valuation Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urban and Architectural Management and Valuation Research Seminar</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Urban and Real Estate Valuation</td>
<td>5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Urban and Regional Economics</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urban Sustainability and Environmental Assessment Methods</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td><strong>Specialisation in Urbanism Mbarch</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contemporary Residential Urban Project</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Public Space, Experiences, Projects and Policies</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Regional and Urban Transformations Due to Sun-And-Beach Tourism</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>The City as Local Versus Global Interface</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>The Rules of Urban Form</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>The Territory as Project, Regional Mosaic City</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Urbanism of the Other 98%</td>
<td>5</td>
<td>Optional</td>
</tr>
<tr>
<td>Master's Thesis</td>
<td>15</td>
<td>Project</td>
</tr>
<tr>
<td><strong>Master's Thesis</strong></td>
<td>15</td>
<td>Project</td>
</tr>
</tbody>
</table>