

SCHOOL OF ARCHITECTURE URBAN
PLANNING CONSTRUCTION ENGINEERING

MILANO 1863
POLITECNICO



Campus Milano Leonardo
www.auic.polimi.it/en

Campus Lecco
www.polo-lecco.polimi.it/en

Campus Mantova
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TOWARD A POLYTECHNIC CULTURE OF THE PROJECT

The complexity of the transformation of cities, territories and contemporary living requires advanced training that combines the best traditions of the sector with experimental innovation to enable future graduates to compete nationally and internationally in the world of Architecture, Urban Planning and Construction Engineering.

THE SCHOOL

Since 1865, the School of Architecture Urban Planning Construction Engineering has claimed to a consolidated tradition that juxtaposes Architectural studies to Engineering, alongside an educational model, which has earned a consistent reputation in Italy and abroad.

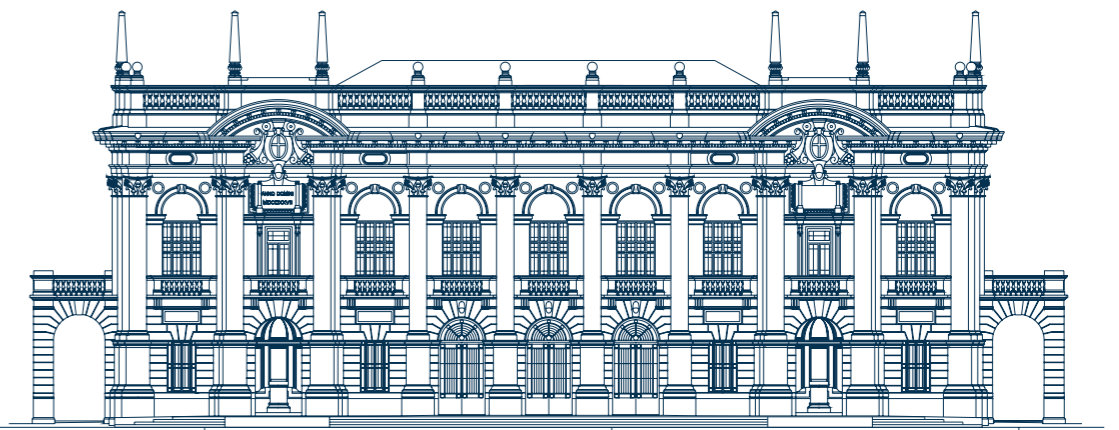
The School holds high positions in sector rankings, being 1st in Italy and 10th in the World according to QS University.

Among the professors, there are prominent personalities of the Architecture, Urban Planning and Construction Engineering scene; over time, among the graduates, there are leading architects who work in Italy and in International contexts.

PROGRAMMES

The School of Architecture Urban Planning Construction Engineering trains graduates skilled in design and construction, capable of tackling contemporary issues, in a responsible way, working on buildings and open spaces, cities and rural areas and on landscapes; paying attention to the safeguard and to the rehabilitation of the cultural heritage, the sustainability of constructions and the transformation of the existing architectural, urban and environmental resources.

The focus of the Programme is the Project, understood to be the synthesis of knowledge, set in the founding principles of polytechnic education, combining the best contributions in the Humanities and the Arts, with exacting technical science. The close relationship between training and research, carried out in the Departments, forms a School for production of knowledge, innovation and advanced cultural development.



TRAINING OPPORTUNITIES

The School offers numerous training opportunities throughout the year: thematic workshops, internships at professional firms and companies in both Italy and abroad, seminars, cycles of conferences, study tours, summer schools, competitions for students, and degree awards.

During this time, students can access higher education paths: ASA - Advanced School of Architecture, and ASP - Alta Scuola Politecnica.

INTERNATIONAL EXPERIENCE

The project for exchange programmes is deep-rooted in the Italian tradition, with the objective of spreading the polytechnic culture throughout the World, towards an open and multi-ethnic approach, based on a network of qualified international relations.

Many of the students come from other Countries; in addition, each year, the School welcomes International Visiting Professors, to teach courses, workshops and studios. The School promotes exchange and double degree programs with the most accredited international Universities.



ARCHITECTURAL DESIGN (AD)

ITA | ENG | MILANO LEONARDO
MANTOVA
PIACENZA

The three-year Bachelor of Science programme aims at providing a fundamental knowledge and the operational tools necessary to develop an architectural project at various levels, paying attention to the terms laid down by the complexity of transformation processes in the built environment.

The training programme provides for an articulated framework of scientific, humanistic and artistic disciplines, that connote the understanding and the competences that are requested of architects faced with the challenges of contemporary International and National contexts. The educational activity is organized through studios and courses, seminars, conferences, exhibitions and study trips. At the end of the three-year Bachelor, the Architectural Design graduates can enroll in the Register of Architects, section B. They can also continue the course of study with the Masters of Science.

URBAN PLANNING: CITIES, ENVIRONMENT AND LANDSCAPE (URB)

ITA | MILANO LEONARDO

The Urban Planner is a designer who addresses the main challenges of our time: the city and the fascinating and dramatic phenomena that run through it, the environmental quality and the sustainability of settlements, the deterioration of landscapes and the urge to treat them. This three-year Bachelor of Science programme trains a professional who is capable of interpreting, evaluating and managing transformations, and who is committed to the project of the city and of the territory.

The humanistic knowledge is combined with a solid technical and scientific base, in outfit to develop up to date and innovative competences for the design and the construction of urban and territorial policies. Graduates in Urban Planning can enroll in the Professional Registers, section B, after passing the State Examination. They can also continue the course of study with the Masters of Science.

Architecture / Built Environment / Interiors (BEI)

ITA | ENG

The Course aims at training Architects who are capable of relating with the modification of the urban fabric and of consolidated settlements, and with the integrations, transformations and enhancements of the built environment, paying attention to the feasibility and the sustainability of the project.

MILANO LEONARDO

Architectural Design and History (ADH)

ENG

The Course articulates the programme around the project of architecture, new and the historically built, following an approach that is centered around the heritage of Architecture and Landscapes, considered as resources to be safeguarded and that need to be given a new centrality.

MANTOVA

Architecture and Urban Design (AUD)

ITA | ENG

The Course focuses on the architectural project, at different scales, training Architects that are capable of combining the contributions of Design, Humanist and Artistic Italian tradition, with the forms and shapes of the contemporary city, and with the distribution patterns of Emerging Countries.

MILANO LEONARDO

Sustainable Architecture and Landscape Design (SAL)

ENG

The Course integrates the competences of architecture, with the ones of landscape design and agrarian sciences, training Architects who are able to address architectural, urban and environmental design at different scales, oriented towards the enhancement of ecological and environmental resources.

PIACENZA

Architecture / Building Architecture (BA)

ITA | ENG

The Course aims at training Architects to respond to planning complex constructions in an innovative way. The building is considered as a "system," with the means of training Architects to be able to design and recuperate existing buildings, whilst still being attentive to the environment.

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Management of Built Environment (MBE)

ENG

The Course aims at training Engineers who are capable of handling the existing built environment: experts in the management and in the maintenance of the physical elements that make the building (*Technical Curriculum*) and the economical value of real estate (*Economic Curriculum*).

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Building Engineering (BE)

ITA

The Course aims at training experts who are capable of designing constructions and overseeing the integration of the technological, technical, plant and structural components. These experts are also capable of overseeing the construction process, managing the maintenance and superintending the demolition of constructions.

MILANO LEONARDO

Building and Architectural Engineering (BAE)

ENG

The course trains professionals able to respond to the global challenges of decarbonisation of the built environment and to apply advanced engineering knowledge to the design of high performance buildings and related components, which optimise the use of resources and generate positive impacts on the environment.

MILANO LEONARDO LECCO

BUILDING AND CONSTRUCTION ENGINEERING (BCE)

ITA | MILANO LEONARDO

The three-year BSc programme trains high profile Engineers capable of addressing the new challenges of the Architecture, Engineering, Construction and Operation (AECO) sector. IEC engineers are creative problem solvers able to manage the complexity of buildings from different points of view: building performances, building technology, building structures and plants. IEC engineers are prepared to manage processes in every stage of the building life-cycle, from design to construction, operation and maintenance and disposal or reuse. The program is designed to meet Engineering MSc degree-level requirements. Technical modules in the third year allow an immediate placement in the job market as a performance and technology designer, a project and construction manager, and an health and safety Engineer. IEC graduates are eligible for membership in the B section of the Italian Association of Engineers (Ordine degli Ingegneri) after completion of the Assessment of Professional Competence.

BUILDING ENGINEERING / ARCHITECTURE (BEA)

ITA | LECCO

The Engineer-Architect, in line with the European Union directive, has a wide-range expertise both in the field of Architecture and Construction Engineering, and is capable of designing a work of Architecture, engaged as responsible for the construction process, from the architectural, technological, structural and ecological point of view.

Graduates acquire competence in the most innovative construction technologies, both for new developments, and for the recovery of existing buildings. At the end of the five-year Degree Course, after the State Examination, it is possible to have access to both professions as Architect and Engineer.

Landscape Architecture Land Landscape Heritage (LHA)

ENG

The Course aims at training Landscape Architects competent in designing parks and open spaces, in preserving and enhancing landscape heritage, in the regeneration of degraded landscapes, in the design of green and blue infrastructures, rural territories, sustainable tourism and mobility, resilience of hydrologic and environmental systems.

MILANO LEONARDO

Urban Planning and Policy Design (UPPD)

ENG

The Course integrates design, planning, urban policies, urban studies and social sciences to train Planners that are capable of working on projects at the urban scale and on the planning of policies, in order to address the complex issues posed by the contemporary urban and territorial agendas.

MILANO LEONARDO

