First Level Degree course in Architecture, cl. 4

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credits</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 years</td>
<td>180 credits</td>
<td>Udine</td>
</tr>
</tbody>
</table>

Objectives

Graduates of this degree course will:

- know the history of architecture, the tools and forms of representation, the methodological and operational aspects of mathematics and other basic sciences and be able to apply this knowledge to the description and interpretation of architectural works;
- have a sound knowledge of the methodological and operational aspects of the disciplines relevant to the profession;
- be able to identify, formulate and solve architectonic problems using up-to-date methods, techniques and tools;
- understand issues dealing with the economics, the technical feasibility, the production and realization process of architectonic works;
- be able to use techniques and tools to design architectonic works;
- be able to communicate both orally and in writing in at least one language of the European union, other than Italian;
- understand professional and ethical responsibilities;
- understand business contexts and culture;
- have knowledge and understanding of architectural works in their various aspects (logic, form, composition, typology, distribution, structure, building and technology) and in their relation with the historical, physical and environmental contexts.

The First Level Degree course offers different curricula with specific objectives.

Curriculum Architectural Design and Restoration

Graduates of this curriculum will:

- be able to manage the surveying and modelling of architectonic works;
be able to set up and accomplish the "technical feasibility" of an architectural work through:

- acquired knowledge in historical and actual building techniques and building design methods and processes;
- the capacity to valuate and understand the impact of architectonic interventions in their physical and environmental context;
- the knowledge of appropriate and durable techniques;
- be able to follow the complete process of the design of an architectural work – from the first project hypothesis to its realization, with a capacity of intervention on the technical realization, on related basic urban issues and on the compatibility and sustainability of the project in its entirety.

**Curriculum Landscape Design and Reclamation**

Graduates of this curriculum will:

- be able to manage autonomously sites’ issues (historical aspects, forms of representation, landscapes) taking into consideration urban techniques and esthetical and social aspects;
- have humanistic and technical knowledge to carry on activities of design, restoration and re-qualification of sites and landscapes.

**Curriculum Industrial Design**

Graduates of this curriculum will:

- be able to solve problems dealing with the feasibility and production of objects from industrial and traditional viewpoints through:
  - acquired knowledge in design methods;
  - the ability to valuate and understand the impact of interventions on physical, cultural and market environments;
  - the mastering of appropriate and sustainable methods;
- have humanistic and technical knowledge to carry on activities of support to the design of interior architecture, objects and visual and multimedia systems of communication, and to valuate their impacts on, and the relationship with, the production environment and social sustainability.

**Curriculum Building Technologies**
In accordance with the D.P.R. 05/06/2001 n. 328 art. 55, this curriculum provides for an Apprenticeship of a period of six months or more and allows graduated students to do the State Examination for the Land Surveyor profession without any ulterior apprenticeship period.

Objectives of the curriculum include knowledge in Valuation, Administrative Law and Project Ecology and Management.

Employment Opportunities

The main professional domains of activities are:

- technical support for authorization and verification procedures;
- technical activities dealing with public sanitation and waste treatment;
- data collection activities, statistical analyses and monitoring;
- Real estate, land property and building contractors.

These activities are carried out in raw material transformation industries, in the public administration and in civil engineering, architectural and urban offices.