

Polytechnics:

1. Architecture and design
2. Construction and modern technologies

Description and curriculum:

Master's studies of the Polytechnic combine applied knowledge of technical subjects of construction and architecture, with subjects of social sciences (economics, finance, legislation, project management...), which enables a direct insight into the position of the construction and architectural profession in society, as well as their interaction with relevant social structures.

Therefore, the Faculty of Polytechnic UDG offers modern multidisciplinary programs of postgraduate master's studies that educate the following profiles in the fields of civil engineering and architecture.

Major "Construction and modern technologies" - educates personnel trained in the design of energy-efficient buildings, as well as in the assessment of energy efficiency - master's degree in the field of construction and modern technologies.

The course "Architecture and Design" trains staff for the design and construction of architectural buildings - a master's degree in the field of architecture and design.

Architecture and design – Plan of Study

<u>I semester</u>	<u>II semester</u>
<p>A. Common subjects for all majors:</p> <ol style="list-style-type: none"> 1. History of ideas or History of civilizations; 2. Research methodology <p>B. Common subjects at the faculty level:</p> <ol style="list-style-type: none"> 3. Theory of constructions - surface supports 2 <p>C. Subjects of the major:</p> <ol style="list-style-type: none"> 4. Installations in buildings - VIK 5. Public buildings <p>6. Tribune of Postgraduate Studies</p>	<p>A. Common subjects for all majors:</p> <ol style="list-style-type: none"> 1. Philosophy of globalization or Ancient philosophy <p>B. Common courses at the faculty level:</p> <ol style="list-style-type: none"> 2. Construction dynamics and earthquake engineering 3. Structure and content of the project <p>C. Subjects of the course:</p> <ol style="list-style-type: none"> 5. Lighting in architecture 6. Sustainable architecture <p>D. Scientific Conference of Postgraduate Studies</p>
<u>III semester</u>	<u>IV semester</u>

<p>A. Common subjects for all majors:</p> <ol style="list-style-type: none"> 1. Philosophy of digitization/ Philosophy of art <p>B. Common subjects at the major level:</p> <ol style="list-style-type: none"> 2. BIM and engineering practice 3. Placemaking 4. Energy in architecture <p>C. Subjects in subject modules:</p> <ol style="list-style-type: none"> 5. Contemporary concepts of architectural design <p>D. Scientific conference of postgraduate studies (all majors, mini theses))</p>	<p>MASTER THESIS</p>
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Construction and modern technologies – Plan of Study

<p><u>I semester</u></p> <p>A. Common subjects for all majors:</p> <ol style="list-style-type: none"> 1. History of ideas or History of civilizations; 2. Research methodology <p>B. Common courses at the faculty level:</p> <ol style="list-style-type: none"> 3. Construction theory - piston supports 2 <p>C. Subjects of the course:</p> <ol style="list-style-type: none"> 4. Steel structures 1 5. Modern technologies <p>E. D. Tribunes of Postgraduate Studies</p>	<p><u>II semester</u></p> <p>A. Common subjects for all majors:</p> <ol style="list-style-type: none"> 1. Philosophy of globalization or Ancient philosophy <p>B. Common courses at the faculty level:</p> <ol style="list-style-type: none"> 2. Construction dynamics and earthquake engineering 3. Structure and content of the project <p>C. Subjects of the course:</p> <ol style="list-style-type: none"> 4. Steel structures 2 5. Projecting 2 <p>D. Scientific Conference of Postgraduate Studies (all majors)</p>
<p style="text-align: center;"><u>III semester</u></p> <p>A. Common subjects for all studies:</p>	<p style="text-align: center;"><u>IV semester</u></p>

<p>1. Philosophy of digitization/ Philosophy of art</p> <p>B. Common courses at the faculty level:</p> <p>2. BIM and engineering practice</p> <p>3. Placemaking</p> <p>4. Energy in architecture</p> <p>C. Courses in the subject majors:</p> <p>5. Investments in sustainable urban infrastructure</p> <p>D. Scientific conference of postgraduate studies (all majors, mini theses)</p>	<p><i>MASTER THESIS</i></p>
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