საქართველოს ტექნიკური უნივერსიტეტი
GEORGIAN TECHNICAL UNIVERSITY

Approved by
Academic Council of GTU
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Bachelor's Educational Program

Title of the Program

Architecture

Faculty

Faculty of Architecture, Urban Planning and Design

Program Supervisor/ Supervisors

Associate Professor Nugzar Khvedeliani

Qualification to be Awarded, and the Number of Credits in the Program

Bachelor of Architecture
Title of Bachelor of Architecture will be awarded on completion of main relevant training courses, envisaged by the educational program (232 credits) and *free components (8 credits) in combination with achieving not less than 240 credits to the relevant content of the main field of study in the educational program.*

Teaching Language

Georgian

Admission Prerequisites to the Program

Holder of either State Certificate of complete general education or equivalent document, passing interview with special committee of faculty of Architecture, Urban planning and Design of Georgian Technical University, where he / she submits artisan graphic works (paintings and drawings), will be enrolled in accordance with Georgian legislation.

Date of the interview will be posted on Georgian Technical University website.

Program Description

The program is compiled by ECTS system. 1 credit in Georgian Technical University equals to 25

hours, including both contact and independent working hours. Distribution of credits is presented in the subject load of the program. Presented educational program lasts for 4 years and includes 8 semesters. One academic year is a combination of 2 semesters. It includes 60 (ECTS) credits. One semester includes 30 credits. The duration of a specific semester is determined by an order issued by the Rector "On the Study Schedule of the Semester".

Within 232 credits, the program includes training courses, relevant to the core curriculum, out of which 20 credits are allocated to foreign language component, 3 credits - to elective humanities, 3 credits - to elective technical subjects, 3 credits - to elective specialties, 6 credits - to internships and 7 credits - to the bachelor's project in architecture in the last semester.

The program also includes a free component within 8 credits (8 courses, a total of 32 credits), which must be electively accumulated by a student and considers 3 + 5 credits in the VIII semester.

Program Objective

The goal of the bachelor program "Architecture" is:

- To prepare a specialist with creative and spatial thinking, who knows the basics of architecture, its essence, development regularities, basic principles and methods of design;
- To enable the graduate to conduct architectural practical activities under the guidance and instructions of a person entitled to independent practical activity, including the design of urban planning, buildings, their interiors and environmental design objects.

Learning Outcomes/Competences (general and professional)

Upon completion of educational program - Bachelor of Architecture - the student:

- ✓ **Possesses** the laws of color harmony and composition as means of influencing spatial thinking and sense of proportion; knows the basics of architecture history, theory and fine arts as well as **understands** both the social context necessary for creation of architectural environment and issues, related to cultural heritage.
- ✓ **Understands** the role of natural-climatic factors, as well as public demands and interests, issues of professional ethics in the process of environmental planning, building and landscape design.
- ✓ **Knows** principles of ecological sustainability and energy efficiency as well as normative and legislative bases of design.
- ✓ Has **knowledge** of broad and multifaceted theoretical or practical field of architecture, including professional techniques necessary for visualization of project documentation and critically **understands** both the procedures and processes required for implementation of urban and voluminous architecture, environmental design, and interior design projects / concepts.
- ✓ **Is knowledgeable** about structures, constructions and materials related to building systems, new technologies, transport and engineering communications, maintenance and security systems.
- ✓ **Considers** the Composition law, functional, aesthetic, technical issues, ergonomic features, historical and cultural precedents in both local and world architecture, requirements of professional ethics and **creates** architectural project according to pre-defined instructions, where wide range of cognitive and practical skills are used, including drawings, diagrams, sketches and modeling.
- ✓ **Collects** information for the project assignment, based on natural-climatic, urban planning factors, current legislative acts and normative rules and **carries out** architectural project, based on the instructions a person, entitled to independent practical activity.
- ✓ **Analyzes** architectural-construction, technical, technological and other engineering-related

design problems based on logical thinking and **reflects** them in the project as a single summary document according to pre-defined instructions.

- ✓ In order to develop and present an architectural project, **uses** visual communication techniques - sketches, mock-ups, electronic, graphic and other methods, as well as verbal and written means to convey creative ideas and professional information in both native and foreign languages.
- ✓ In the process of architectural design, **works** individually or in a team according to the requirements of professional ethics and **establishes** communication in various forms and methods.
- ✓ Properly **evaluates** the phenomenon of Georgian culture, socio-cultural, moral, aesthetic, universal values and plans his / her professional development according to the needs of individual education.

Methods of Achieving Learning Outcomes (Teaching - Learning)

☒ Lecture ☒ Seminar (team working) ☒ Practical class ☒ Laboratory
☒ Practice ☒ Course work/project ☒ Consultation ☒ Independent work

Based on the specifics of a learning course, the appropriate activities listed below are employed, reflected in the relevant learning courses (syllabi):

1. Discussion / debate
2. Cooperative learning
3. Collaborative work
4. Problem based learning
5. Case study
6. Brain storming
7. Demonstrate
8. Induction
9. Deduction
10. Analysis
11. Synthesis
12. Role and situational games
13. Verbal or orally transmitted
14. Written work
15. Explanation
16. Action-oriented training
17. Project planning and presentation

Student knowledge assessment system

Grading system is based on a 100-point scale.
Positive grades:

- (A) - Excellent - the rating of 91-100 points
- (B) – Very good - - the rating of 81-90 points
- (C) - Good - the rating of 71-80 points
- (D) - Satisfactory - the rating of 61-70 points
- (E) - Enough - the rating of 51-60

points Negative grades:

- (FX) - Did not pass - 41-50 points of rating, which means that the student needs more work to pass

and is given the right to take the exam once more with independent work;
• (F) – Failed - 40 points and less, which means that the work carried out by the student is not enough and he/she has to learn the subject from the beginning.

Sphere of Employment

- Local self-government (permitting, regulating and controlling) bodies;
- Architectural project and design studios;
- Architectural-construction and development companies;
- Historical-cultural heritage protection services and funds;
- Firms performing measuring drawings.

Potential for Further Education

Master's Educational Programs

Human and Material Resources Required to Implement the Program

The program provides the appropriate human and material resources. For more information see the attached documents.

Number of Attached Syllabuses: 99