საქართველოს ტექნიკური უნივერსიტეტი
GEORGIAN TECHNICAL UNIVERSITY

Approved by
Resolution № 740 of the
Academic Council of GTU
dated September 05, 2012

Amended by
Resolution № 01-05-04/12 of
the Academic Council of GTU
dated February 11, 2022

Bachelor's Educational Program

Program Title

არქიტექტურა
Architecture

Faculty

არქიტექტურის, ურბანისტიკისა და დიზაინის ფაკულტეტი
Faculty of Architecture, Urban Planning and Design

Program Head/Heads

Associate Professor Giorgi TSULUKIDZE

Qualification to be Awarded and the Extent of the Program in terms of Credits

Bachelor of Architecture
will be awarded in case of completion of at least 240 credits by combining training courses (232 credits) and free components (8 credits) corresponding to the main field of study in the educational program.

Language of Teaching

Russian

Prerequisite for Admission to the Program

The holder of a state certificate confirming complete general education or a document equivalent to it, who will pass an interview before the special commission of the Faculty of Architecture, Urbanism and Design of GTU, where he will present his own graphic works (paintings and drawings) and will be enrolled according to the procedure established by the legislation of Georgia, has the right to study at the bachelor's level. The stages of conducting an interview in drawing and painting are described in the relevant document, which is posted on the website of the faculty.

The date of the interview will be published on the website of GTU: https://gtu.ge/

Program Description

The program is based on the ECTS system. At GTU, 1 credit is equal to 25 hours. This includes both contact and independent work hours. The distribution of credits is presented in the program curriculum. The presented educational program lasts 4 years and includes 8 semesters. One academic year is a combination of 2 semesters. It covers 60 credits. One semester includes 30 credits. The duration of a specific semester is determined by the order issued by the Rector "On the Semester Study Schedule".

Within the framework of 232 credits, the program includes studying courses of the content corresponding to the main field of study, of which 20 credits are allocated to the foreign language component, 3 credits to elective humanities subjects, 6 credits to specialty elective subjects, 6 credits to project practice and 7 credits to the bachelor project in architecture provided for in the VIII semester of education. The program includes a free component in the amount of 8 credits (8 education courses), of which the student must optionally accumulate 3+5 credits in the VIII semester.

The procedure for conducting and evaluating GTU students' practice, as well as the procedure for completing the undergraduate research project/thesis is posted on the website.

On the same website, the instruction of the educational process at the Technical University of Georgia is available, which includes information on the organization of the educational process, evaluation of student achievements, educational and financial agreements with students, and the accumulation of credits by students.

Program Objective

The Bachelor's educational program in Architecture is:

- To prepare a specialist with creative and spatial thinking, who is competitive in the local and international labor market, equipped with knowledge of the basics of architecture, its essence, development regularities, basic principles and methods of designing;
- The graduate should be able to conduct architectural practical activities under the guidance and instructions of a person with the right to independent architectural activity, in particular, designing urban planning, buildings, their interiors and environmental design objects.

Learning Outcomes/Competences (general and professional)

After completing the Bachelor's educational program in Architecture, the graduate:

- Possesses the laws of color harmony and composition as means of influencing spatial thinking and sense of proportion; The basics of the history and theory of architecture, as well as fine arts, and considers both the social context necessary for the creation of an architectural environment and issues related to cultural heritage.
- Understands the role of natural-climatic factors, as well as public requirements and interests, issues of professional ethics in the process of environmental planning, building-structures and territory development.
- Knows the principles of environmental sustainability and energy efficiency, as well as the basics of normative and legal regulations of design.
- Has a broad and versatile theoretical and practical knowledge of the field of architecture, including the professional methods necessary for visualizing project documentation, and critically understands the procedures and processes necessary for the implementation of urban and volumetric architecture, environmental design and interior projects/concepts.
- Is familiar with structures, constructions and materials related to building systems, new technologies, transportation and engineering communications, maintenance and security systems.
- Takes into account the laws of composition, functional, aesthetic, technical issues, ergonomic features, historical and cultural precedents in local and world architecture, requirements of professional ethics and a wide range of cognitive and practical skills - using drawings, schemes, sketches, drafts and modeling, in accordance with predetermined guidelines, creates architectural project.
- Collects information for the design assignment based on natural-climatic, urban factors, valid legal acts and normative rules and completes the architectural project with the instructions of a person with the right to independent practice.
- Analyzes architectural-constructive, technical, technological and other engineering problems related to design based on logical thinking and reflects them in the project as one whole summary document in accordance with predetermined guidelines.
- Uses visual communication methods - sketches, mock-ups, electronic, graphic and other methods, as well as verbal and written means of conveying creative ideas and professional information to develop and present an architectural project.
- In the architectural design process, works individually and/or in a team, taking into account professional ethics, and establishes communication in various forms and methods.
- Properly evaluates the phenomenon of Georgian culture, socio-cultural, moral, aesthetic, general human values and plans his own professional development according to individual educational needs.

Methods of Achieving Learning Outcomes (teaching-learning)

☒ Lecture ☒ Seminar (group work) ☒ Practical ☒ Laboratory
☒ Practice ☒ Course work/Project ☒ Consultation ☒ Independent work

In the learning process, depending on the specifics of a particular education course program, the following activities of the teaching-learning methods are used, which are outlined in the relevant education course programs (syllabi):

1. Discussion/debate;
2. Cooperative learning;
3. Collaborative work;
4. Problem-based learning (PBL);
5. Case study;
6. Brain storming;
7. Demonstration;
8. Induction;
9. Deduction;
10. Analysis;
11. Synthesis;
12. Role-playing and situational games;
13. Verbal or oral teaching;
14. Writing work;
15. Explanation;
16. Action-oriented learning;
17. Project development and presentation.

Student's Knowledge Assessment System

The student's knowledge is assessed on a 100-point scale.
Positive grades are:

- (A)-Excellent - 91-100 points;
- (B)-Very Good – 81-90 points;
- (C)-Good – 71-80 points;
- (D)-Satisfactory – 61-70 points;
- (E)-Sufficient – 51-60 points.

Negative grades are:

- (FX) - Failed to pass – 41-50 points, which means that the student needs more work to pass and is allowed to take an additional exam once with independent work;
- (F) - Failed - 40 points or less, which means that the work done by the student is insufficient and he/she will have to study the subject again.

The evaluation of the level of achievement of the student's learning outcome in each component of the program includes intermediate and final evaluation. Each evaluation form and component have a specific share in the final evaluation from the total evaluation score (100 points), in particular, the maximum score of the final exam is 40 (the minimum positive score of the final evaluation is 11), and the maximum score of the intermediate evaluation is 60 (the minimum positive score of the intermediate evaluation is 30). However, the mid-term assessment includes 2 components: a mid-semester exam and an ongoing activity assessment. The mid-semester exam is a necessary component of the evaluation, its maximum score is 30, and the maximum score of the current activity is 30.

In case of acceptance of FX, an additional exam is prescribed, not less than 5 days after the announcement of the results. The grade obtained in the additional exam is not added to the grade obtained in the final assessment.

Other issues related to the appeal of the evaluation of the study results, the restoration of the evaluation/examination missed with good reason, as well as the evaluation of the student's knowledge are given in the instruction of the educational process at the Technical University of Georgia, which is located on the website.

Fields of employment

- Self-government (permitting, regulatory and controlling) bodies;
- Architectural project and design studios;
- Architectural-construction and development companies;
- Historical-cultural heritage protection services and foundations;
- Firms producing measuring works.

Opportunities for continuing education

Master's degree educational programs

Human and material resources needed to implement the program

The program is provided with adequate human and material resources. For additional information, please find the attached documentation.

Number of attached syllabi: 91