საქართველოს ტექნიკური უნივერსიტეტი
GEORGIAN TECHNICAL UNIVERSITY

Approved by
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Master's Educational Program

Title of the Program

Architecture

Faculty

Faculty of Architecture, Urban Planning and Design

Program Supervisor/ Supervisors

Professor Levan Beridze

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

Master of Architecture
Will be awarded in case of completing at least 120 credits of the educational program

Teaching Language

Georgian

Admission Prerequisites to the Program

A person with a Bachelor's Degree in architecture is entitled to study for a Master's Degree program in "Architecture", and will be enrolled based on the results of Master's exams (General Master's exam and exam / exams determined by Georgian Technical University).
Exam questions / tests will be uploaded by Education Department of Georgian Technical University at least one month before the exams. According to the legislation of Georgia, enrollment in the program is possible without passing the Master's exams.

Program Description

The program is compiled by ECTS system - 1 credit equals to 25 hours, which includes both contact and independent working hours. Distribution of credits is presented in the subject load of the program.
Duration of the program is extended up to 2 years (4 semesters) and ends with Defense of a qualification thesis. One academic year is a combination of 2 semesters. It includes 60 (ECTS) credits.

One semester includes 30 credits. Duration of a specific semester is determined by an order issued by the Rector "On the Study Schedule of the Semester".
Total volume of the program is 120 credits, which are distributed as follows: learning component (training courses) includes 90 credits, out of which 10 credits belong to elective foreign language component and 18 credits - to the elective project (including 6 credits in the first semester, 6 credits in the second semester and the last 6 credits in the third semester). The enrolled student selects the desired course - volumetric architecture, town planning, restoration-reconstruction, landscape architecture or environmental design training course and completes the relevant project. Architectural practice includes 5 credits. 30 credits are allocated to the research component of the program (performance and defense of the master's thesis).
The research component is completed in the form of Master's thesis, which is evaluated on one-time basis.
Master's program "Architecture" is in accordance with the regulations of the Georgian Technical University on Master's Degree.
Rules for evaluating the research component of the Master's educational program are presented on the University website.

Program Objective

The aim of the Program is::

- To prepare a professional, whose main field of activity will be either practical or scientific-research activities in the field of architecture.
- To enable the graduate to conduct independent architectural-practical activities, which include design of urban planning, buildings, restoration-reconstruction, landscape and environmental design objects.

Learning Outcomes/Competences (general and professional)

Upon completion of the Master of Architecture Educational Program, the student:

- ✓ **Interprets** key concepts, theories, methods, approaches and strategies, relevant to the field of architectural activity, incuding urban planning, volumetric architecture, restoration-reconstruction, landscape and environmental design;
- ✓ **Knows** the principles of sustainable development and energy efficiency of buildings and as well as **understands** the impact of natural-climatic, functional-technological, engineering, spatial-architectural, ergonomic, aesthetic, cultural factors on the architectural project;
- ✓ **Understands** project management issues in both architecture and construction as well as **possesses** knowledge of the normative base, related to urban planning, architectural and construction legislation;
- ✓ **Takes into consideration** the requirements of the Code of Professional Ethics for Architects and ensures the compliance of these requirements with complex interests of client and potential customer in the process of preparing and designing project assignments
- ✓ **Independently carries out** architectural-practical activities, including design of urban planning, buildings, restoration-reconstruction, landscape and environmental objects.
- ✓ While designing in a multidisciplinary and complex environment, the student **takes into account** functional-technological, natural-climatic, social factors, as well as considers issues of architectural management, urban ecology, historical and cultural aspects and aesthetic requirements, architectural and construction legislation and professional ethics and **makes** adequate and original decisions independently.

- ✓ Based on logical thinking, the student **analyzes** the orographic and bioclimatic factors of the area, as well as problems related to architectural-construction, technical, technological and other engineering issues and **reflects** them in the project as a whole summary document.
- ✓ According to each specific topic, the student independently formulates the project assignment on the basis of the latest methods and approaches, normative acts, system analysis and principles of academic good faith, and selects optimal design methods, means and appropriate research methods.
- ✓ **Manages** architectural project development process and **defends** the completed design and / or research paper.
- ✓ While developing, submitting and evaluating an architectural project, he/she **uses** visual, written, verbal methods and media capabilities to communicate with stakeholders.
- ✓ **Coordinates** the multidisciplinary team and **is responsible** for managing the team work process in an agreed, synchronous and ethical manner.
- ✓ Independently **conducts** research in the field of urban planning, volumetric architecture, restoration-reconstruction, landscape or environment design.

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. Verbal or orally transmitted
13. Written work
14. Explanation
15. Action-oriented training
16. 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.
Assessment of student learning outcomes includes mid-term and final assessments in each learning component of the program. Each form and component of the assessment determines its share in the final assessment process, out of the total assessment score (100 points). In particular, the maximum score of the final exam is 40 (the minimum positive score of the final exam is 21), and the maximum score of the mid-term exam is 60 (the minimum positive score of the midterm exam is 30). In addition, the mid-term assessment includes 2 components: the mid-term exam and the assessment of current activity (practical / theoretical homework, seminar activity, clause, etc.). The mid-term exam is a necessary component of the assessment, its maximum score is 30, the maximum score for the current activity is 30. In case of receiving FX, an additional exam is appointed not less than 5 days after the results are announced. The grade obtained on the additional test does not add up to the score obtained in the final grade.
The research component is evaluated on one-time bases on a 100-point scale.

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;
- Mass media and advertising companies;
- Higher education institutions and specialized schools

Potential for Further Education

Doctoral 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: 42