CAUCASUS UNIVERSITY

Undergraduate Program in

Architecture

Caucasus University

Caucasus School of Technology

Program Name	
Undergraduate Program in Architecture	
Degree level	
Bachelor's	
Type of the educational program	
Academic	
Instruction Language	
Georgian	
Expected Qualification	
	Bachelor of Architecture 1101
Date of Program Approval	
	26 February 2016
Academic head of the Program	
Marine Maisuradze, PhD.	
Program Volume in Credit Hours	

The program consists of 240 ECTS credits. Caucasus University uses European Credit Transfer and Accumulation System (ECTS) to describe volume of expected work from the students. A credit is a unit for volume of work that is required from the students in terms of time spent. 1 ECTS credit is worth of 25 hours of student's academic workload.

Courses in the program are allocated based on their logical structure and sequence. Courses build up on the previously studied material and, therefore, enable students to acquire necessary knowledge. Courses in the program are divided into:

- General Educational Courses - **35 ECTS** Credits (Including Manadatory General English – Minimal Competency Level B2)
- Specialization Courses – **205 ECTS** Credits:
  - Required Courses - **190** ECTS Credits
  - Elective Courses - **15** ECTS Credits
- Free Courses - **10 ECTS** Credits

Admission Requirements

Any person having a secondary education is entitled to enrol on the Undergraduate Program in Information Technology.
The precondition for the admission to the program is to pass the United National Examination held by the Legal Entity of Public Law - The National Assessment and Examinations Center.
An exception to the general rule of admission to the higher education institutions is made only in the cases stipulated by the law.

Program Description

Program Objectives

The objective of the program is to prepare a Bachelor of Architecture with the highest level of contemporary education in accordance with the modern requirements. To give the student general and broad knowledge in the chosen specialty, to study how to apply and develop the modern design and construction technologies. To train a specialist with a knowledge of architecture fundamentals, basic design principles and methods of architecture, which is a prerequisite for further study or a successful professional career in architectural research and practice, directed by a person with the right to practice independently.

Goal of the program

The purpose of the educational program is to provide students with:

· General and extensive knowledge in architecture and design; General knowledge of art and architecture history, architectural technologies, problems and principles of sustainable architecture, principles of reconstruction and restoration, and the basics of urban planning, as well as standards required for building planning. Practice-oriented, transferable skills, skills to apply modern design and construction technologies, knowledge of stages from building design to construction, general project management skills;

The bachelor's degree program in Architecture is designed to provide students with:

· Ability of being in charge of architectural developmet, practice and scientific innovations, as well as to continually update knowledge;

· Ability to effectively use acquired knowledge in practical activities;

· Ability to solve technical problems independently, as well as to assess, analyze, discuss, reasoning, and solve problems;

· Ability of protection of justice, human rights, social and democratic values in practical work;

· Ability of critical comprehension of theories and principles and understand complex issues;

· Ability to apply acquired knowledge and work independently;

Ability to work with related field specialists.

· Ability of verbal and written communication in both Georgian and English languages.

· Ability to use modern information and communication technologies creatively;

· Ability to behave based on ethical norms.

Learning Outcomes

- Wide and specialized theoretical and practical knowledge in architecture.
- Acknowledging professional capacities regarding urban construction, spatial architecture, environment design and interior;
- Knowledge of management basics in architectural designing
- Knowledge in engineering challenges regarding construction, techniques, technology and building design.
- Acknowledging and knowledge of topics related to laws of architectural composition, architecture history and theory, fine arts, natural-environmental factors, cultural heritage, as the fields having influence on architectural designing;
- Knowledge in professional tools for visualization of design material /computer programmes of engineering graphics/;
- Knowledge of theory and methods of designing, characteristics of various constructions, materials and construction methods;
- Acknowledging social context necessary for creating architectural environment;
- Knowledge of and acknowledging ecologically sustainable principles, influence of external factors on buildings;
- Acknowledging new technologies used in construction, engineering communication, technical service, and their safety systems.
- Skill of developing and presenting the architectural urban planning works through appropriate architectural manner and tools;
- Designing with consideration of natural-climate, urban construction factors, functional, aesthetic, technical requirements, safety techniques, ergonomical characteristics and composition laws and relative instructions
- Skill for developing architectural projects based on applicable legal acts and statutory rules, using drawings, schemes, drafts, sketches and modelling, with guidance of person entitled to independent practical work:
  - Building designing - from idea to implementation;
  - Developing drawing by hand, 2-D and 3-D computer modelling, developing spatial model of object;
  - Reading and implementing draft drawings
  - Usage of restoration/reconstruction principles
  - Usage of urban planning principles
  - Usage of knowledge on old and new ways of art history in actual situation;
  - Measuring of building, developing graphical drawing;
  - Reading of constructional drawing,

- Usage of modern technologies and materials of construction according to the defined instructions.

- Creative use of modern information and communication technologies, listing of informational sources (bibliography, documents, webpages) and searching for additional information through related methodology;
- Skill for using math, principles of computer communication science in practice;

To use the abstractive data and concepts according to the pre-defined instructions as required during implementation of research or practical project and solving specific problem.

- Skill for identification and definition of requirements for problem analysis and elimination in architecture;
- Verbal skill for communication of ideas;
- Technical, organizational and communication skills and (self) critical judgement ability;
- Skill for quantitative judgement is developed, graduate can process, analyze and discuss quantitative information (tables, diagrams, mathematical statements). He/she can solve mathematical and ordinary quantitative tasks
- Detection of explicit tasks or issues in architecture field, analysis of abstract data, situations, constructive, technical, technological and other design related engineering issues and elaboration of well-grounded conclusion;
- Student is able to perform practical work and interpret received data according to the predefined instructions;
- Student has skills of critical analysis, synthesis and resuming, he/she can design paper/text, avoid plagiarism, through following rules of citation and reference to other papers.
- prepare a detailed written report on existing problems and their solutions in Georgian and English languages, convey information verbally to specialists and non-specialists, the student can also read and analyze specialized literature;
- adaptation and act in a foreign environment; engage with communication and conduct a dialogue;
- use modern information and communication technologies (ICT) freely;
- work in a team on projects; the skill of being an active part of group projects and being able to effectively fulfill functions;
- skill of conducting a presentation in front of a large public;
- student can retrieve necessary information and process it;
- can use gained knowledge creatively.
- skills of using cutting-edge approaches, modern skills and technological novelties in architecture;
- skill of constantly updating knowledge, critical thinking and understanding the importance of gaining new knowledge;
- alumni can manage his/her learning process using a wide range of resources, is able to self-evaluate the learning process, define future learning goals and can continue learning with a high degree of independence.
- Rational usage and distribution of time.
- Engagement in the value formation process and aspiration to their realization.
- Feeling of responsibility for society, thinking critically, independently and boldly.
- Skills of being able to understand the importance of professional, ethical and social responsibilities.
- Being able to understand the issues related to heritage within the realm of architecture and to act accordingly.
- Respects different forms of discussion and ways of expressing one's opinion.
- Can think critically, independently and boldly.
- Knowledge and evaluation of and sharing characteristic principles and values of architecture with others.
- Can participate in the formation of liberal values, has an intellectual and ethical capacity to assess events.

Areas of employment

Program graduates can be employed at state and private architectural or engineering offices, construction companies, at state structures -City Hall.

Alumni of the program can work in the following positions:

- Local government bodies (licensing, regulatory and controlling);
- architectural firms and design studios;
- architectural-construction and developer companies;
- services and foundations of protecting historical-cultural heritage;
- Firms responsible for measuring works etc.

Study Continuation Opportunities

The program graduates can continue their studies at any of Master's Degree programs in Georgia or abroad, in accordance with the regulation required by the law.

Student Evaluation and Grading System

The aim of the evaluation is to assess to what extent the learning outcomes prescribed by the syllabus are reached. The student's evaluation consists of multiple components and evaluates the course goals and learning outcomes by applying measurable criteria and appropriate rubrics. The student's evaluation is based on four major principles: objectivity, trustworthiness, validity and transparency.
The students are evaluated according to two sets of evaluation: summative and formative. The aim of the summative assessment is to accurately evaluate the student's performance. It monitors quality of learning and the level of the student's achievement in relation to the goals set by the course. The formative assessment is oriented on the student's development. It gives students appropriate feedback on their achievements.
The evaluation system includes 100 points and envisages:
a) Five types of positive grades:
a.a) (A) Excellent – 91-100 points of assessment;
a.b) (B) Very good – 81-90 points of maximal assessment;
a.c) (C) Good – 71-80 points of maximal assessment;
a.d) (D) Satisfactory – 61-70 points of maximal assessment;
a.e) (E) Sufficient – 51-60 points of maximal assessment;
b) two negative grades:
b.a) (FX) Did not pass – 41-50 points of maximal assessment, which means the student needs to work harder and is allowed to retake the exam one more time after working independently;
b.b) (F) Fail – 40 points or less of maximal assessment, which means the student's work is insufficient and he/she has to retake the course.
Students are awarded credits on the basis of the final evaluation comprising the scores of the interim and final exam assessments. The attainment of student's learning outcomes considers the interim and final evaluations, for which relative proportions out of the total score (100 points) and a minimum competence level are allocated. Namely, out of 100 points, the interim results are allocated 70 points, while the final exam results are 30 points. In both of the components (interim and final) the minimum competency barrier to be reached is 51%. The interim evaluation includes assessment components, the total of which is 70 points. For each assessment component, the evaluation is based on the pre-determined learning goals, task-oriented clear criteria and the learning rubrics drawn on their basis. In the interim results Freshmen student (except B2 level English groups) has to accumulate at least 51% of the 70 points to be allowed to take the final exam. The student's final examination is passed, if he/she gets at least 51% of the total 30 points,
For All the rest the student has to accumulate at least 59% of the 70 points to be allowed to take the final exam. The student's final examination is passed, if he/she gets at least 60% of the total 30 points.

In case the student fails to overcome the minimum competency barrier of the final exam, he/she is allowed to retake the final examination. The student shall retake the final examination within the period prescribed by the academic calendar no later than 5 days after announcement of the results of the final exam.
In case the student totally scores 0-50 points or fails to overcome the minimum competency barrier set for any form of the evaluation (Interim/Final exam), he/she shall be given a grade of "F-0".

Teaching and Learning Methods

Different teaching methods are employed during the teaching process depending on the topics covered. Those include:
Discussions/debates – one of the most common methods of interactive teaching. Quality of Students' involvement is higher; classes are more dynamic and students are more active. Any discussion can turn into a debate. The method allows professors to give questions and get answers and enables students to develop skills of discussion and debates and prepares them for justifying their opinions and points.
Team (Collaborative) work - the method implies dividing students into teams and assigning different tasks to them. Each team member works on the task individually and shares his/her ideas with the rest. Depending on the type of task, team members can change tasks and roles. The strategy ensures students' maximum involvement in the learning process.
Problem Based Learning (PBL) – a problem is given and analyzed in order to acquire knowledge.
Cooperative Learning – where the whole class is responsible not only for his/her own learning and understanding of the subject matter but also for aiding and assisting others in better understanding it. Each student works on a problem until he/she fully understands everything.
Heuristic method – is largely incremental. Students are to discover facts on their own and make links between them.
Case Studies – Professors and students discuss a particular case and fully comprehend an issue at hand. In Medicine it can be discussion of the medical record of a particular patient, in Political Science it can be analysis of a conflict between any two countries (e.g., Armenia-Azerbaijan), etc.
Brain storming – the method facilitates to generating as many ideas about a particular topic as possible. The method encourages creativity; it is particularly efficient with a large group of students and consists of a few stages:

- Creative approach to a problem/issue
- Listing the ideas generated, without any criticism, on the board.
- Identifying the ideas most closely linked with the problem/issue;

- Identifying criteria for finding which idea is more relevant to the issue/problem at hand;
- Evaluating selected ideas according to pre-selected criteria;
- Selecting the best idea – the one having the best evaluation or meeting most of the criteria;

Role play – students are assigned different roles, which allows them to look at a problem from different perspectives. Like debates, role play also helps students develop skills needed for giving their opinion and justifying their judgments.

Method of Demonstration – displaying visual materials. In majority of cases it is better to give students both audio and visual material simultaneously; the material can be given by both - professors and students; the method implies giving visual information on the whiteboard or carrying out a complex laboratory experiment.

Induction, Deduction, Analysis, Synthesis.

A deductive approach means that the teacher gives students a new concept, explains it and then has the students practice using the concept.

In contrast with the deductive method, inductive instruction makes use of student "noticing". Instead of explaining a given concept and following this explanation with examples, the teacher presents students with many examples showing how the concept is used. The intent is for students to "notice", by way of the examples, how the concept works and fits together.

With the method of analysis a problem is disintegrated into components. This method facilitates to comprehensive analysis of each of the constituent elements of a more complex problem.

Method of synthesis is opposite of the process of analysis. One whole is made by grouping its constituent elements, which allows students to look at a problem as one whole.

Explanatory method – discussing a particular issue, i.e., professor provides examples and discusses all sides and details.

Action-oriented teaching – requires active participation of both professor and students where major emphasis is put on practical interpretation of theoretical knowledge.

E-learning - The method combines three ways of instruction

Teaching methods complement each other during the teaching process. Course syllabus provides detailed information about teaching methods used.

Human Resourses

The Program is implemented by the Academic and Invited Personnel: Eight Professors, Two Associate Professors, one Assistant-Professor, Three Assistants and Twenty Five Invited Lecturers, who, according to their quialification are ready to help students in developing the competencies, difined by the program.

Partnership

Caucasus University's and Caucasus School of Technology's Partner organizations: foreign and Georgian higher educational institutions, as well as governmental and non-governmental organizations are also involved into the program implementation, within the framework of a Memorandum of Cooperation.

Partner Governmental and non-governmental organizations:

HR Recruitment Agency; Aliance Group Holding; Omedia; GITA; EY; Imobiliare; Silknet; UGT; Orient Logic; MyGPS; ZETEN; Scientific Research Institute Optica; Guramex; Georgian National Communications Commission; Ministry of Defence of Georgia; Ministry of Justice of Georgia; Ministry of Finance of Goergia; National Bank of Georgia; Tbilisi City Hall

Architectural & Construction Companies:

- Archtrade Ltd;
- Godako-2 Ltd;
- Sedum LLC. Architects;
- Architecture Laboratory N3 Ltd;
- Artstudio Project Ltd;
- Dm Studio Ltd
- Architects.ge
- Studio "Gia and Archil Kurdiants" Ltd. "Dynasty"

Foreign higher educational institutions:

Tallinn University of Technology; Riga Technical University; Upper Austria University of Applied Sciences (Hagenberg); University of Southern Denmark; Fairleigh Dickinson University; Kaunas University Of Technology; Ming Chuan University of Taiwan; Universidad Autonoma de Gvadalajara, Mexico; IESB, Brasilia Higher Education Institute, Brazil.

Material and Technical Resourses

For reaching the outcomes envisaged by the Program, the University infrastructure and material and technical resources urestrictedly accessible for the students and the academic personnel, namely: Auditoria equiped with appropriate equipment and conference hall; Computer classes/labs, computers connected to the internet and intranet and specially tailored software guaranteeing smooth operation of learning/teaching process;

The material resources of the Universty ensure the goals set by the Program are reached and the planned, outcomes are realized:
Premises: the Program is conducted on the University premises where sanitary-hygiene and safety rules are adhered to. The University building fully complies with technical requirements establied for Universities; the University has audtoria designed for lectures and practical classes fully equipped with apropriate equipment and devices (projectors, desks and chairs, whiteboards, etc.).

Library: - The University library has printed and electronic fund necessary for implementation of the Program accessible for the students and academic personnel. The library has an electronic catalogue. The library has a Reading Room equipped with appropriate property (chairs, desks, computers). The Reading Room allows students to use internet and international electronic resources.

Information-Communication Technologies – laboratories and computer equipment appropriate to Program meeting modern requirements, connected to the internet and accessible for the students, academic, invited and administrative personnel are available at the University. The computers are equipped with appropriate instruments/applications. The auditoria and computer classes are equiped with local net and internet.

The University operates an electronic system for organizing the educational process, which fosters academic process and makes monitoring of the students' academic performance possible at all times. The University makes the catalogue of the educational programs and the information on implementation of the educational programs and conducting the educational process public and acessible at all times.
The mentioned resources are accessible for the University students, academic, invited and administrative personnel. All the interested persons are informed on the possibility of using these resources and are familiar with the rules and procedures of their utilization.

Financial Resourses

The budjet for financial Support of the Program is developed and included in the whole budget of the University.

Program Curriculum

№	Course Code	Prerequisite	Course	Year								ECTS
				I		II		III		IV		
				ECTS								
				I Semester	II Semester	I Semester	II Semester	I Semester	II Semester	I Semester	II Semester	
Required General Educational Courses												
1.	CIS 1140		Computer Skills and Office Applications	x								5
2.	WRT 1140		Academic Writing		x							5
3.	ENGL 0007		B2.0 General English Language	x								5
4.	ENGL 0008	ENGL 0007	B2 General English Language		x							5
Elective General Education Courses												
5.	HIST 0001		Introduction to World History & Civilization			x						5
6.	POLS 0002		Political Science									5
7.	HIST 0003		History of Georgia									5
8.	SOCI 0004		Sociology									5
9.	PHIL 0005		Philosophy									5
10.	PSYC 0006		Psychology									5
11.	ENGL 0005		B1.0 General English Language [1]	x								5
12.	ENGL 0006	ENGL 0005	B1 General English Language [1]		x							5
13.	ENGL 0009	ENGL 0008	C1.0 General English Language			x						5
14.	ENGL 0010	ENGL 0009	C1 General English Language				x					5
15.	PHYS 2140	MATH 0003	Principles of Physics			x						5
16.	MATH 0001		PreCalculus [2]	x								5
Required Specialization Courses												
17.	MATH 0003		Calculus I	x								5
18.	ARCH 1141		Drawing I	x								5
19.	ARCH 1142		Fine Arts I	x								5
20.	ARCH 1143		Architectural Composition	x								5

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№	Course Code	Prerequisite	Course	Year								ECTS
				I		II		III		IV		
				ECTS								
				I Semester	II Semester	I Semester	II Semester	I Semester	II Semester	I Semester	II Semester	
21.	ARCH 1242	ARCH 1142	Fine Arts II		x							5
22.	ARCH 1243		Introduction to Architecture		x							5
23.	ARCH 1244	ARCH 1141	Computer graphic AutoCAD for architects		x							5
24.	ARCH 1245		Architectural styles and directions I			x						5
25.	ARCH 2141	ARCH 1243	Architectural planning I			x						5
26.	ARCH 2142		Architectural constructions I			x						5
27.	ARCH 2143	ARCH 1141	Computer engineering graphic ArchiCAD			x						5
28.	ARCH 2145	ARCH 1245	Architectural styles and directions II			x						5
29.	ARCH 2241	ARCH 2142	Architectural constructions II				x					5
30.	ARCH 2242		Occupational safety				x					5
31.	ARCH 2244	ARCH 2141	Architectural planning II				x					5
32.	ARCH 2245		Geodesy				x					5
33.	ARCH 3143		Construction material and work pieces				x					5
34.	ARCH 3140		Georgian house					x				5
35.	ARCH 3141	ARCH 2244	Architectural planning III					x				5
36.	ARCH 3142	ARCH 1243	Theory of city building					x				5
37.	ARCH 3144	ARCH 1243	Planning of small settlements					x				5
38.	ARCH 3146	ARCH 1244	Computer graphic Revit architecture I					x				5
39.	ARCH 3241	ARCH 3142	City designing						x			5
40.	ARCH 3241	ARCH 3142	Planning of multi-family homes						x			5
41.	ARCH 3243		Landscape architecture						x			5
42.	ARCH 3244	ARCH 3141	Architectural planning IV						x			5
43.	ARCH 3245	ARCH 1242	Interior design						x			5
44.	ARCH 3246	ARCH 3146	Computer graphic Revit architecture II						x			5
45.	ARCH 4141		Safety of buildings and facilities							x		5
46.	ARCH 4142	ARCH 3142	Problems of sustainable architecture							x		5
47.	ARCH 4143	ARCH 3142	Reconstruction, regeneration and adaptation of buildings							x		5

№	Course Code	Prerequisite	Course	Year								ECTS
				I		II		III		IV		
				ECTS								
				I Semester	II Semester	I Semester	II Semester	I Semester	II Semester	I Semester	II Semester	
48.	ARCH 4144		Architectural Project management							x		5
49.	ARCH 4145		Technology of construction process							x		5
50.	ARCH 4241	ARCH 4143	Basis of cultural heritage protection								x	5
51.	ARCH 4242		Thermal physics of building and energy efficient buildings								x	5
52.	ARCH 4243	ARCH 4141	Investment planning								x	5
53.	ARCH 4244		Architectural project								x	10
Elective Specialization Courses												
54.	ARCH 1241		Drawing II				x					5
55.	ARCH 2247		Form-making in architecture				x					5
56.	ARCH 3145	ARCH 2243	Discourse themes in modem architecture				x					5
57.	ARCH 4146		Graphic design						x			5
58.	ARCH 4147	ARCH 3244	Seminar on sustainable architecture						x			5
59.	ARCH 4245		Interior 3D modelling							x		5
60.	ARCH 4246		Compositional characteristics of modern architecture							x		5
61.			Free Course [3]					x				

ECTS									
	Per Semester	30	30	30	30	30	30	30	30
	Per Year	60		60		60		60	
	Courses Per Year	12		12		10		9	

[1] General English Language B1 Level is mandatory for those students who have lower competence, than the Level B2.

[2] "PreCalculus" is mandatory for those students who have low competence in Math.

[3] Student can take courses in terms of "Free Course" (10 ECTS) from other Bachelor's degree programs and/or form the Elective Specialization Courses in this program.

Distribution of Total Hours

№	Course Name	ECTS Credits\ Hours	Lecture / Practical Work Hours	Seminar Hours	Midterm and Final Exam Hours	Presentation Hours	Out of class preparation Hours
1.	Computer Skills and Office Applications	5/125	19	5	4	2	95
2.	Academic Writing	5/125	21	3	4	2	95
3.	B1.0 General English Language	5/125	53	9	4	2	57
4.	B1 General English Language	5/125	53	9	4	2	57
5.	B2.0 General English Language	5/125	58	3	4	3	57
6.	B2 General English Language	5/125	57	3	5	3	57
7.	C1.0 General English Language	5/125	58	3	4	3	57
8.	C1 General English Language	5/125	58	3	4	3	57
9.	PreCalculus	5/125	18	6	4	2	95
10.	Introduction to World History & Civilization	5/125	14	10	4	2	95
11.	Political Science	5/125	17	7	4	2	95
12.	History of Georgia	5/125	19	5	4	2	95
13.	Sociology	5/125	20	4	4	2	95
14.	Philosophy	5/125	17	7	4	2	95
15.	Psychology	5/125	18	4	4	4	95
16.	Calculus I	5/125	18	6	4	2	95
17.	Principles of Physics	5/125	21	5	4		95
18.	Drawing I	5/125	26		4		95
19.	Drawing II	5/125	26		4		95
20.	Fine Arts I	5/125	26		4		95
21.	Fine Arts II	5/125	26		4		95
22.	Introduction to Architecture	5/125	26		4		95
23.	Architectural Composition	5/125	26		4		95
24.	Computer graphic AutoCAD for architects	5/125	26		4		95
25.	Construction material and work pieces	5/125	24	2	4		95
26.	Geodesy	5/125	26		4		95
27.	Occupational safety	5/125	24	2	4		95
28.	Architectural constructions I	5/125	25	1	4		95
29.	Architectural constructions II	5/125	26		4		95
30.	Form-making in architecture	5/125	26		4		95
31.	Architectural styles and directions I	5/125	19	3	4	4	95
32.	Architectural styles and directions I	5/125	19	3	4	4	95
33.	Georgian house	5/125	25	1	4		95
34.	Computer engineering graphic ArchiCAD	5/125	26		4		95

№	Course Name	ECTS Credits\ Hours	Lecture / Practical Work Hours	Seminar Hours	Midterm and Final Exam Hours	Presentation Hours	Out of class preparation Hours
35.	Architectural planning I	5/125	26		4		95
36.	Architectural planning II	5/125	26		4		95
37.	Architectural planning III	5/125	26		4		95
38.	Architectural planning IV	5/125	26		4		95
39.	Theory of city building	5/125	21	3	4	2	95
40.	Landscape architecture	5/125	21	5	4		95
41.	Interior design	5/125	26		4		95
42.	Computer graphic Revit architecture I	5/125	26		4		95
43.	Computer graphic Revit architecture II	5/125	26		4		95
44.	Discourse themes in modem architecture	5/125	19	3	4	4	95
45.	Problems of sustainable architecture	5/125	18	6	4	2	95
46.	Planning of multi-family homes	5/125			4		95
47.	Planning of small settlements	5/125	22		4	4	89
48.	City designing	5/125	22		4	4	89
49.	Reconstruction, regeneration and adaptation of buildings	5/125	18	6	4	2	95
50.	Architectural Project management	5/125	18	6	4	2	95
51.	Technology of construction process	5/125	18	6	4	2	95
52.	Safety of buildings and facilities	5/125	26		4		95
53.	Basis of cultural heritage protection	5/125	18	6	4	2	95
54.	Thermal physics of building and energy efficient buildings	5/125	18	6	4	2	95
55.	Investment planning	5/125	18	6	4	2	95
56.	Graphic design	5/125	26		4		95
57.	Seminar on sustainable architecture	5/125	18	6	4	2	95
58.	Compositional characteristics of modern architecture	5/125	18	6	4	2	95
59.	Interior 3D modelling	5/125	26		4		95
60.	Architectural project	10/250	40	4			205

Academic and Invited Personnel

#	Personnel Name	Status	Course
1.	Ketevan Datukishvili	Professor	Computer Skills and Office Applications
2.	Nino Beladze	Invited Lecturer	Academic Writing
3.	Eka Kvachantiradze	Professor	Introduction to World History & Civilization
4.	Salome Gogberashvili	Invited Lecturer	B1 General English Language
			B2.0 General English Language
5.	Tamar Sharashenidze-Soyucok	Invited Lecturer	B2 General English Language
			C1.0 General English Language
6.	Tamta Mshvidobadze	Invited Lecturer	C1 General English Language
			C1.0 General English Language
7.	Giorgi Lobjanidze	Professor	PreCalculus
8.	Nugzar Skhirtladze	Professor	Calculus I
9.	Guranda Chelidze	Professor	Political Science
10.	Zurab Bragvadze	Professor	History of Georgia
11.	Ketevan Mukhiguli	Assosiate Professor	Sociology
12.	Vano Chiaureli	Invited Lecturer	Philosophy
13.	Mzia Tediashvili	Professor	Psychology
14.	Nugzar Botchoidze	Invited Lecturer	Principles of Physics
15.	Merab Barsonidze	Invited Lecturer	Drawing I
			Drawing II
			Computer graphic AutoCAD for architects
16.	Revaz Khasia	Invited Lecturer	Fine Arts I
			Fine Arts II
17.	Giorgi Tsanatskenishvili	Invited Lecturer	Introduction to Architecture
			Architectural planning IV
			Planning of multi-family homes
			Safety of buildings and facilities
18.	Marine Maisuradze	Invited Lecturer	Architectural Composition
			Form-making in architecture
			Reconstruction, regeneration and adaptation of buildings
			Compositional characteristics of modern architecture
19.	Otar Karchava	Invited Lecturer	Construction material and work pieces
20.	Griogi Omsarashvili	Invited Lecturer	Geodesy
21.	Shota Nizharadze	Invited Lecturer	Occupational safety
22.	Griorgi Mukhiashvili	Invited Lecturer	Architectural constructions I
23.	Lia Balanchivadze	Invited Lecturer	Architectural constructions II
24.	Maia Davitaia	Invited Lecturer	Architectural styles and directions I
			Architectural styles and directions I
			Discourse themes in modem architecture
25.	Nana Meparishvili	Invited Lecturer	Georgian house
26.	Guram Abuladze	Invited Lecturer	Computer engineering graphic ArchiCAD
27.	Zurab Matiashvili	Invited Lecturer	Architectural planning I
			Architectural planning II
			Architectural planning III

#	Personnel Name	Status	Course
28.	Matika Pochkhua	Assosiate Professor	Theory of city building
			City designing
			Planning of small settlements
			Landscape architecture
29.	Mariam Menabde	Invited Lecturer	Interior design
30.	Ia kupatadze	Invited Lecturer	Problems of sustainable architecture
			Seminar on sustainable architecture
31.	Davit Megrelidze	Invited Lecturer	Computer graphic Revit architecture I
			Computer graphic Revit architecture II
32.	Giorgi Giorgadze	Invited Lecturer	Architectural Project management
			Investment planning
33.	Ramaz Zhgenti	Invited Lecturer	Technology of construction process
34.	Merab Bolkvadze	Professor	Basis of cultural heritage protection
35.	Omar Kiguradze	Invited Lecturer	Thermal physics of building and energy efficient buildings
36.	Diana Danelyan	Invited Lecturer	Graphic design
			Interior 3D modelling