Professional education level: III level

 Certified qualification: Information Technologist III level professional qualification

 Program capacity: 35credits (875 hours), 54 credits includs (40% -350 hours) the theoretical component, 21 credits   (60% – 525 hours) are devoted to practice.

 Duration of the program: 32 weeks

Language of instruction: Georgian, english

Objective of the professional program - Professional education program aims: to prepare the qualified staff - Information technology specialist, who will be able to perform obligations on IT position; give knowledge of information technologies taking account the basic facts, processes and principles of general concepts in order to develop professional students' professional skills with purpose of using acquired knowledge in practical activities; develop the skills of managing the assignment with different approaches, appropriate methods, tools and materials; ability to understand and work in complicated situations and evaluate and analyse raised problems and obtain necessary information by using different sources; oral and written communication skills comprises the student's ability to perform verbal and written forms of activity in different situations connected with her/his profession by using English technical terminology; understand modern technological changes and take responsibilities to deepen knowledge for professional development and success; develop professional values, in particular to respect colleagues and customers, conduct activities according to their desires and follow ethics norms.

Learning outcomes:

Knowledge and	Knowledge of the basic facts, principles, processes and general concepts

understanding	characteristic for this field, understands necessary steps for conducting complicated tasks.
	She/he knows: Architecture of modern computers; Internal components of computers (motherboard, the central processor, and constant operational memory chips, cooling systems, expansion cards, data storage devices, internal cables) and their characteristics; Hardware and software security rules; Stationary and portable computers similarities and differences; Peripheral devices and their operating principles; Operating system and its principles; Hardware platform and operating system requirements for the determination of compliance; Operating system and its parameters; Finding and eliminating the causes of operating system failure; Consumer and anti-virus software; Computer network and its advantages; Network devices and their characteristics; Addresses, bandwidth and data transfer; Local area network architecture and topologies; Computer networking principles, and network services; Hardware and software diagnostic tools and caused problem-solving issues;
Applying knowledge and skills	She/he is able to use a wide range of different skills for field specifics in order to assess various approaches for performing tasks, select and adapt appropriate methods, tools and materials.
	Can: assemble a computer assembly, modernize and maint maintain; make decisions on preventive services increasing functional capacity; prevent errors and repair computers; Add peripheral equipment and maintenance; Driver installation and upgrade; choose an operating system based on the client's requirements, its installation, maintenance and optimization; install, upgrade and maintain consuming and anti-virus; recover data; to diagnose Hardware and software maintenance; fix the causes of the problems and eliminate them; Small office network planning and installation; design small office networks and make installation. Choose the type and network devices; carry out Network installation and testing; configure network resources. She/he is able to do Practical assignment in accordance of requirement; use a variety of approaches and methods, on doing assignments, choose tools, materials and patterns for the proper selection-identification in order to achieve results.
Making judgments	She/he is able to use known sources of information for solving arising problems in different situations, evaluate and analyze them.
	Based on information received from the technical inspection or the client can understand caused problems, define priorities and eliminate them competently. If necessary, inquire additional information by using the Internet or technical documents.
Communication	She/he is able to make oral and written communication on matters related to profession in different situations, use effectively information and communication

skills	technologies connected with professional activities and also use foreign language in practice. Within the professional competence she/he is able to communicate with the client, get information from the client connected with problems; define her/his computer problems, if necessary redirect to opther specialist, understand easy and is capable to describe the clients problem and explain it in written form. With the purpose of introducing new technologies she/he is able to prepare the presentations and submit her/his own ideas with colleagues or supervizer; acquaint with technical documentation and, if necessary, communicate in English, has ability of working in a group and adapt to a particular environment and situation.
Learning skills	She/he is able to take responsibility for her/his own study within the pre-defined tasks. In conditionsof the constant development of the information technology is able to obtain, analyze and study independently new information related to profession. She/he also has responsibility for professional and career growth for further study in the future.
Values	In different situations she/he acts according to the values characteristic to professional activities. She/he is aware of the legal and ethical aspects of working with information technology. Communicating with the client follows the professional behavior standards and provides the client's wishes. The gradiate also keeps the security rules, is responsible to perform her/his work in proper time and competently.

Field of employment

information technologist with professional qualification can be employed as a technician in government, non-governmental and commercial   organizations; In computer service centers as a remote providing problems specialist. He/she will be able to work as IT specialist in small and medium size organizations, and in large-scale organization in a position of a computer and network administrator assistant.