

MEDICINE

✓ <i>Higher Education Cycle</i>	<i>One-cycle Educational Program</i>
✓ <i>Study Language</i>	<i>English</i>
✓ <i>Awarded Qualification</i>	<i>Medical Doctor</i>
✓ <i>Program Volume</i>	<i>360 ECTS</i>
✓ <i>Status</i>	<i>Accredited</i>
✓ <i>Tuition Fee</i>	<i>4990 GEL 5900 USD (For Foreign Citizens)</i>
✓ <i>Head of the program</i>	<i>Associate Professor Maia Advadze</i>
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THE GOAL OF THE PROGRAMME

The programme aims at providing the graduates with necessary knowledge and competences relevant to the national and international standards of the field that will ensure their further study in professional direction; ensure with the modern, deep, systemic and integrated knowledge of biomedical, preclinical, clinical sciences and its application into practice, facilitate their motivation for continuous improvement of their knowledge and life-long learning, develop interpersonal, clinical skills, decision making based on the evidence-based data, understanding clinical cases in broad social, cultural contexts to promote health, well being and prevent diseases, understanding of a physician's professional, ethical and legal responsibilities and contribute to the field development in the constantly changing environment.

Therefor, the goals of the programme is to provide the graduates with the:

- ✓ Knowledge of biomedical and clinical sciences, its scientific methods and principles, and the necessity for Life Long Learning (LLL);
- ✓ Clinical, interpersonal, and practical skills;
- ✓ Case-based clinical reasoning and taking decisions;
- ✓ Understanding clinical cases in a social, cultural context.;
- ✓ Understanding of a physician's professional, ethical, and legal responsibilities.

LEARNING OUTCOMES

General Competencies

Knowledge and Understanding

The graduate is able to:

- ✓ Demonstrate comprehensive knowledge of the field, principles and methodologies of research in medicine;
- ✓ Demonstrate knowledge how to use additional resources effectively within the limits of his/her own specialty.

Skills:

The graduate is able to:

- ✓ Provide with the critical analysis of incomplete and contradictory data, provide with its independent analysis, convey the results of analysis, and use them;
- ✓ Obtain information from various sources, develop large-scale information and critically evaluate it, use information collected during professional activities;
- ✓ Take part in meetings and convey the opinions both in oral and writings;
- ✓ Negotiate in the professional context and participate in resolving conflicts;
- ✓ Independently define complex problems, determine ways of solving it, analyzing the expected outcomes and take final decision;
- ✓ Provide with the critical approach to new information.

Responsibility and Autonomy

The graduate is able to:

- ✓ Work independently, select priorities, meet deadlines, properly arrange the resources, and get the work done and account, assess and critically analyze it;
- ✓ Adapt to a new environment, work with colleagues, keep professional subordination, use new technologies;
- ✓ Management of multidisciplinary environment and adaptation by using new strategic approaches;
- ✓ Work in the group as a member and leader, clearly formulate tasks, agree with group members, coordinate their activities and adequately assess the capabilities of group members, manage conflicting and emotional situations.

- ✓ Understand the necessity of sustainable renewal of knowledge, objectively evaluate the knowledge and skills, use full spectrum of informational resources, manage his/her own learning process;
- ✓ Communicate effectively, listen, ask questions, and deal with nonverbal communication;
- ✓ Contribute to the development of professional knowledge and practice;

Field-Specific Knowledge

Knowledge and Understanding

The graduate is able to:

- ✓ Determine the normal structure of human body from cell level till organ systems, functioning of the body, molecular biology and embryonic development of a human body, metabolism and hormone functions, function of the immune system;
- ✓ Determine the fundamental principles of behavioral and social sciences – Human development (child, adolescence, adult), human psychology, sociology;
- ✓ Identify the basic principles of clinical sciences, clinical sciences of different specialties and subspecialties of medicine – pathological structure and mechanism of the disease, infection and mechanisms of its development, immunity;
- ✓ Determine the use of antibiotics and resistance to antibiotics; the principles of prescribing the medicines; the side effects of medicines; interaction of medicines; blood and blood transfusion; drug action and pharmacokinetics; segregated drugs;
- ✓ Determine the prevention of diseases; lifestyle, diet and eating; health support; screening and supervision of diseases; disability; gender issues in health care; epidemiology; the cultural and ethics influence on health care; resource distributing and health care economy; global health and inequality;
- ✓ Determine ethic and legal principles in medical practice – the rights of patients; the rights of people with disabilities; the principles of relations with colleagues;
- ✓ Determine the role of doctor in health care system - legislation regarding the medicine; the systems of professional regulations; the principles of clinical audit; the ways of health care access.

Carry out a consultation with a patient

✓ Take a case history, carry out physical examination, make clinical judgements and decisions, provide explanation and advice, reassurance and support, assess the patient's mental state.

Assess clinical presentations, order investigations, make differential diagnoses, and negotiate a management plan

✓ Recognize and assess the severity of clinical presentations, order appropriate investigations and interpret the results, make differential diagnoses, negotiate an appropriate management plan with patients and carers, take care of a terminal patient and his family members, manage the chronic disease.

Providing first aid in emergency medical situations (First aid and resuscitation measures)

✓ Identify and assess the emergency medical conditions, treat emergency medical conditions, provide with first aid; age peculiarities in newborns and children; conduct the basic life maintaining and cardiopulmonary resuscitation activities in compliance with the guidelines; conduct the activities for enhance lifetime maintenance in accordance with the guidelines; treat of traumas according to the guidelines.

Drug prescription

✓ Prescribe drugs clearly and properly with consideration of patient's age, match appropriate drugs with clinical context; review appropriateness of drugs and other therapies and evaluate potential benefits and risks for the patient; treat pain and distress; consider compatibility of drugs before initiation of treatment.

Conducting Practical Procedures

✓ Vital signs: pulse, respiration, temperature, measure blood pressure, oxygen delivery, patient transportation and treatment, urinalysis, electrocardiography, electrocardiography interpretation, performing respiratory function test; manipulators and manikins - bronchoscopy, venipuncture, venous catheterization, drug injection into the vein and infusion device, subcutaneous and intramuscular injection, urinary catheterization, lumbar puncture, spinal anesthesia, paracentesis, gastric lavage, gastrostomy tube care, putting and removing stitches, wound treatment, suturing, etc.

Communicate effectively in a medical context

✓ Communicate with patient, colleagues, breaking bad news, patient's relatives, disabled peoples, in seeking informed consent, provide with the written communication (including the medical records), in dealing with aggression, with those who require an interpreter, with law enforcement agencies and mass media, with any person regardless of his/her social, cultural, religious and ethnic background.

The use of Ethic and Legal Principles in Medical Practice

✓ Use ethical principles and analytical skills in treatment process, keep confidentiality, get the informed consent and make an appropriate record, issue death certificate, require autopsy, apply Georgian and international legislation during treatment, conduct medical practice in multi-cultural environment.

Evaluation of psychological and social aspects regarding patients' disease

✓ Evaluate the psychological factors of disease detection and impacts on the patients, the social factors of disease detection and impacts on the patients, recognize of the stress related to disease, recognize of the drug and alcohol abuse.

The use of knowledge, skills and principles based on evidence

✓ Use evidence in practice, determine and conduct the relevant literature research, critically analyze the published literature, make conclusion and use them in practice.

Use information and information technology effectively in a medical context

✓ Keep accurate and complete clinical records, use IT in medical practice, access specific information sources, store and retrieve information, keep personal records.

Ability to apply scientific principles, methods and knowledge to medical practice and research

✓ Identify the research conducting methodology; determine the research designing, planning, result processing and conclusion-making skills; use the achievements of biomedicine in practice; report/review writing skills based on critical; provide with the analysis of the research literature in biomedicine; determine the ethics of conducting scientific research.

Implementation of health promoting events, engage with public health care issues, efficient performance within the health care system

✓ Conduct the treatment that minimizes the risk of damage to the patient; implement measures for the prevention of infection spread; understand ones' own health problems and evaluating ones' own health with regard to professional responsibilities; participate in health promotion events both on individual and population-wide level; demonstrate the leadership skills for the improvement of healthcare system; facilitate the changes in healthcare system for strengthening the services and improving the results; work with patients and their families for enhancing the healthy behaviors; contribute to the improvement of community and population health.

Professionalism

Professional attributes

✓ Show probity, honesty, ethical commitment; commitment to maintaining good practice, concern for quality; critical and self-critical abilities, reflective practice; empathy; creativity, initiative, interpersonal skills, leadership skills Professional working.

Professional working

✓ Show the ability to recognize limits and ask for help, work autonomously when necessary, solve problems, make decisions, work in a multidisciplinary team, communicate with experts in other disciplines, lead others, adapt to new situations, capacity for organisation and planning.

The doctor as expert

✓ Show capacity for analysis and synthesis, applying knowledge in practice, research skills, to learn (including lifelong self-directed learning), teach others.

The global doctor

✓ Appreciate diversity and multiculturality, understand cultures and customs of other countries, work in an international context, show knowledge of a second language, general knowledge outside medicine.

PROGRAMME ADMISSION REQUIREMENTS:

- ✓ The holders of a certificate of full general education or those with the equal status on the basis of the results of Unified Entry Examinations shall have the right to take the programme at the University.
- ✓ Georgian citizens who acquired general secondary education in a foreign country or have studied the last two years of general secondary education abroad.
- ✓ Foreign citizens (except students enrolled in the joint programme of higher education and exchange students) who study or studied and receive credits or qualifications in a higher educational institution recognized by the state in concern.
- ✓ Georgian citizens (except students enrolled in the joint programme of higher education and exchange students) who live/lived, study/ studied in a foreign country for a period set by the Ministry of Education and Science of Georgia and receive credits or qualifications in a higher educational institution recognized by the state.
- ✓ Mobility students enrolled according to Minister's order N10/N (04,02,2010) on the Approval of the Procedure of Movement between Higher Education Institutions.
- ✓ The University holds an interview with the prospective students who have the right to study without passing the Unified Entry Examinations. They are required to confirm their English language proficiency at B2 level.

PROGRAMME ADMISSION REQUIREMENTS:

Enrollment by Mobility

Admission of students from other higher education institutions / programs through mobility is carried out in accordance with the rules established by the order N 10 / N of the Minister of Education and Science of February 4, 2010.

A person whose enrollment in a higher education institution has been carried out in accordance with the rules established by law and is a student of the institution wishing to register for mobility on the electronic portal of the Education Management Information System has the right to mobility.

The right to mobility is also granted to a person whose student status has been suspended at the time of registration on the electronic portal or to a person whose status has been terminated within 12 months of the termination of the status.

Enrollment in the educational program or enrollment by transfer from a recognized higher education institution abroad is carried out on the basis of the order of the Minister of Education and Science of Georgia. Based on the decision / consent of the Ministry of Education and Science of Georgia.

FIELD OF EMPLOYMENT

The graduate of one-cycle higher education programme (Medical Doctor) is not granted to run the independent medical practice according to the applicable legislation, she/he can be:

- ✓ Employed as a Junior Doctor under the responsibility of an independent medical practitioner;
- ✓ Carry out research and teaching activities in the theoretical fields of medicine or other fields of health care that do not include an independent medical practice.