

Ken Walker International University



Faculty of Medicine and Stomatology

# Program Catalog

2024-2025

## One-step Educational Program – Medicine

Program Title	Medicine
Education Level	One – Step Educational Program
Qualification Degree	Medical Doctor
Study Duration	6 Years
Study Duration	360 ECTS credits (1 ECTS credit - 30 hours)
Instructional language	English
Tuition Fee	7000 USD, 10000 GEL for citizens of Georgia

### Admission Requirements

Persons who have a high school or equivalent education and have passed the Unified National Admission Exams and are in possession of the relevant certificate are eligible for admission to the program. Also, admission requirements include results from Unified National Admission Exams, in prioritized subjects with their appropriate grades predetermined by the university.

The required grade for English language for Georgian citizens is >70%, in Georgian language, Biology, Chemistry, Physics and Mathematics – >60%.

The right to study without passing Unified National Exams on the program is determined by the Law on Higher Education - Article 52. Paragraph 3. Specifically:

Due to supporting prospective students and students' needs for mobility, studying in educational institutions without passing Unified National Exams is governed by the regulations of the Ministry of Education and Science of Georgia in a predetermined period. Students eligible for National Exam waiver must belong to one of the following groups:

- Foreign citizens and non-citizens who have received full high school or equivalent education abroad;
- Georgian citizens who have received full high school or equivalent education abroad and completed the last 2 years in a foreign, English Speaking country;
- Persons who study/studied and have accumulated ECTS credits from a foreign country's high educational institution recognized in accordance with the legislation of the country.

Enrolling in the program through the mobility process is permitted after the completion of one academic year

of study. Mobility is possible twice a year, in the periods established by the Ministry of the Education

and Science of Georgia, compulsory procedures approved by the Act of the Director of National Centre for Educational Quality Enhancement and in accordance with the rules established by the University.

## Goal of the Educational Program

The strategic goal of the program is to train internationally competitive and competent, highly-skilled physicians having knowledge, ability, and behaviors required for postgraduate training and specific training courses in the health professions, while being inspired to develop compassion, curiosity, tolerance and commitment to patients and society, dedication to life-long learning and an understanding of the vital role of research in healthcare.

More detailed purposes of the program are presented below:

- Ability to apply deep and substantial knowledge of biomedical, behavioral, social, clinical sciences and fundamental principles of medical fields in high quality patient care;
- Appropriate, relevant and effective diagnosis, management and emphasis of patient health problems with effective patient-centered care
- Effective communication applying interpersonal and professional communication skills
- Participate/cooperate in improving public health effectiveness through patient and population-centered effective care that a student provides in accordance with current professional and ethical values within the existing/current legislation
- Independently obtain, critically analyze and apply scientific and clinical innovation to deal with clinical problems of societal importance.
- Continuous improvement of one's activities/enterprise and professional development based on the principles of continuous professional development

The goals of the program are achieved step by step during the implementation of the program.

## Learning Outcomes

The learning outcomes are based on specifications of the program's field of study and accreditation standards for educational programs at institutions of higher education.

### Field-Specific Knowledge

**Biomedical, Behavioral, Clinical, Social Sciences and Fundamental Principles of the field**

Graduates demonstrate knowledge of the established and evolving core of basic medical sciences, application of basic medical sciences to patient care, and investigatory and critical thinking approaches.

Graduates will be able to:

- Demonstrate knowledge of the normal and abnormal structure and function of the body as a whole, and of each organ system, over the lifespan.
- Identify the structure and function of relationships and social dynamics.
- Demonstrate knowledge of the molecular, cellular and biochemical mechanisms of homeostasis.
- Identify genetic mechanisms and risks in health and disease (diagnosis, treatment and prevention) of individuals and populations.
- Consider the cognitive, affective and social growth and development of a patient in formulating plans of care.
- Apply principles of epidemiology and statistics to patient care.
- Recognize patient-focused care that considers a patient's diversity
- Apply foundations of therapeutic intervention, including concepts of outcomes, treatments, and prevention, and their relationships to specific disease processes.
- Analyze, explain and discuss medical knowledge as it applies to effective patient care.

## Field-Specific Competencies

### Carry out a consultation with a patient

By the time of graduation, students are expected to:

- Perform a complete and accurate patient history that includes belief systems, psycho-social and cultural issues and incorporate these into the comprehensive care of a patient.
- Perform an accurate and relevant screening and general and focused physical and mental status examinations.
- Perform common clinical procedures.
- Select appropriate physical examination techniques, laboratory tests, radiologic, and other clinical studies.
- Perform appropriately timed clinical assessments with recommendations that are presented in an organized manner
- Communicate using a patient-centered approach that encourages patient trust and autonomy and is characterized by empathy, respect, and compassion
- Communicate with patients and their families in a clear, timely and accurate manner regarding their health, treatment plans, needed health services or resources and provide explanation, advice, reassurance and support for the care and management of their health.
- Recognize when the values, biases, or perspectives of patients, physicians, or other health care professionals may have an impact on the quality of care, and modify the approach to the patient accordingly

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

By the time of graduation, students are expected to:

- Interpret findings from the history, physical examination and mental-state examination, appreciating the importance of clinical, psychological, religious, social and cultural factors.
- Assess clinical presentation, make an initial assessment of a patient's problems and a differential diagnosis.
- Understand the processes by which doctors make and test a differential diagnosis.

- Interpret the results of investigations, including growth charts, x-rays and the results of the diagnostic procedures in Appendix 1.
- Synthesize a full assessment of the patient's problems and define the likely diagnosis or diagnoses.
- Formulate a plan for investigation, treatment, management and discharge, according to established principles and best evidence, in partnership with the patient, their careers, and other health professionals as appropriate.
- Respond to patients' concerns and preferences, obtain informed consent, and respect the rights of patients to reach decisions with their doctor about their treatment and care and to refuse or limit treatment.
- Contribute to the care of patients and their families at the end of life, including management of symptoms, practical issues of law and certification, and effective communication and teamworking
- Employ opportunities for early intervention to educate patients about disease prevention taking into account barriers to change.
- Make clinical judgements and decisions, based on the available evidence, in conjunction with colleagues and as appropriate for the graduate's level of training and experience. This may include situations of uncertainty.

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

By the time of graduation, students are expected to:

- Assess and recognize the severity of a clinical presentation and a need for immediate emergency care (DRSABCDE).
- Diagnose and manage acute medical emergencies.
- Apply appropriate initial care to life-threatening conditions: provide basic first aid considering age-related constraints;
- Provide cardio-pulmonary resuscitation or direct other team members to carry out resuscitation in compliance with the guidelines.
- Conduct the activities for enhanced lifetime maintenance in accordance with the guidelines
- Treatment and management of traumas according to the guidelines.

### Drug prescription

By the time of graduation, students are expected to:

- Establish an accurate drug history, covering both prescribed and other medication.
- Plan appropriate drug therapy for common indications, including pain and distress.
- Provide a safe and legal prescription.
- Calculate appropriate drug doses and record the outcome accurately.
- Provide patients with appropriate information about their medicines.
- Access reliable information about medicines.
- Detect and report adverse drug reactions.
- Demonstrate awareness that many patients use complementary and alternative therapies, and awareness of the existence and range of these therapies, why patients use them, and how this might affect other types of treatment that patients are receiving

## Conducting Practical Procedures

By the time of graduation, students are expected to:

- Be able to perform a range of diagnostic procedures, and measure and record the findings.
- Be able to perform a range of therapeutic procedures/
- Be able to demonstrate correct practice in general aspects of practical procedures.

## Communicate effectively in a medical context

By the time of graduation, students are expected to:

- Communicate clearly, sensitively and effectively with patients, their relatives or other caregivers, and colleagues from the medical and other professions, by listening, sharing and responding.
- Communicate clearly, sensitively and effectively with individuals and groups regardless of their age, social, cultural or ethnic backgrounds or their disabilities.
- Communicate by spoken, written and electronic methods (including medical records), aware of significance of non-verbal communication in the medical consultation.
- Communicate appropriately in difficult circumstances, such as breaking bad news, and discussing sensitive issues, such as alcohol consumption, smoking or obesity.
- Communicate appropriately with difficult or violent patients.
- Communicate appropriately with people with mental illness.
- Communicate effectively with any person regardless of his/her social, cultural, religious and ethnic background

## The use of Ethic and Legal Principles in Medical Practice

By the time of graduation, students are expected to:

- Keep confidentiality
- Use ethical principles and analytical skills in treatment processes
- Obtain informed consent and make an appropriate record
- Issue a death certificate
- Require an autopsy (in compliance with the Georgian Legislation)
- Apply Georgian and international legislation during treatment
- Conduct medical practice in a multi-cultural environment

## Evaluation of psychological and social aspects regarding patients' disease

- Evaluate the psychological factors of disease detection and impacts on the patients
- Evaluate the social factors of disease detection and impacts on the patients
- Recognize the stress related to disease
- Recognize drug and alcohol abuse
- Identify the signs that suggest children or other vulnerable people may be suffering from abuse or neglect and know what action to take to safeguard their welfare.

### The use of knowledge, skills and principles based on evidence

By the time of graduation, students are expected to:

- Use biomedical information resources and appropriate consultants to support evidence-based medical care.
- Evaluate study design, methods and results as they apply to evidence-based medicine.
- Apply medical standards, clinical practice guidelines, and practice algorithms for individual patients or populations. Demonstrate the ability to use of evidence in practice.
- Conducting relevant literature research
- Undertake critical analysis of the published literature, make conclusions and apply them in practice

### Use information and information technology effectively in a medical context

By the time of graduation, students are expected to:

- Keep accurate and complete clinical records
- Use electronic and other resources in the practice of life-long learning.
- Use Informational technologies in medical practice
- Keep personal records (portfolio)

### Ability to apply scientific principles, method and knowledge to medical practice and research

By the time of graduation, students are expected to:

- Know the methodology, design, planning and conduct of research, processing the results;
- Use the modern achievements of biomedicine in practice
- Have an ability of reporting/reviewing biomedical scientific literature based on critical analysis.
- Apply principles of ethics in conducting scientific research.

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

By the time of graduation, students are expected to:

- Analyze the role of advocacy and healthcare policy in improving patient care.
- Use system resources available to patients and communities for health education, treatment, and rehabilitation of medical and psychiatric conditions.
- Participate in health promotion events both on individual and population-wide levels
- Analyze the elements in the healthcare system that lead to disparities in health and access to healthcare.
- Interpret information about the health of patient populations and communities to identify needs and plan appropriate interventions in support of population health.
- Differentiate how culture and belief systems impact perception of health and illness, as well as response to symptoms, diseases, and diagnostic and treatment interventions.
- Apply the principles of cost-effective healthcare in patient care.
- Analyze the organization, financing, and delivery of health care.
- Relate the role of medical jurisprudence and conflicts of interest to issues that affect the different health care system.
- Analyze systems of care to enhance care quality and patient safety.



## Professionalism

By the time of graduation, students are expected to:

- Apply the theories and principles that govern ethical decision making.
- Demonstrate ethical behavior including: compassionate treatment of patients, respect for privacy and dignity, honesty and integrity, truthfulness, patient advocacy, confidentiality, and accountability.
- Demonstrate reliability, punctuality, dependability, and integrity in all professional activities.
- Demonstrate the ability to promote ethical and professional behavior of peers.
- Analyze personal and professional conflicts of interest.
- Demonstrate the ability to work effectively and respectfully in an interprofessional team.
- Demonstrate the qualities and practices required to maintain wellness and sustain lifelong personal and professional growth.
- Demonstrate appropriate leadership approaches that enhance team functioning, the learning environment, and the delivery of care.
- Demonstrate sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender identity and expression, age, culture, race, religion, disabilities, health status and sexual orientation.
- Recognize own personal and professional limits and seek help from colleagues and supervisors when necessary.

## Student's Performance Assessment System

The university uses the European system of credit transfer and accumulation (ECTS), which is based on learning outcomes, the transparency of the study process and is oriented to the student. The goal of this system is promoting planning learning units, implementation, assessment / recognition of study units, and also student mobility.

Credit reflects the amount of work (one credit is equal to 30 hours) needed to complete a specific learning component and achieve learning outcomes. Credits are distributed among all components of the educational program. Study course (subject) is for a one- semester. One academic year includes 60 ECTS. It is unacceptable that the student's annual load exceeds 75 credits. Student's assessment maintains interim assessment and final examination assessment; in total, 100 points. Student needs at least 27 points to be allowed on final exam. The final assessment for getting credit should not be less than 51. Student is rated at a maximum of 40 points on the final exam. The final exam will be considered passed, if the student will collect at least 24 points out of 40. Student Assessment System includes five types (A, B, C, D, E) of positive and two types (Fx and F) of negative assessments.

- A) Excellent – 91-100 points;
- B) Very good - 81-90 points;
- C) Good - 71-80 points;
- D) Satisfactory - 61-70 points;

- E) Enough - 51-60 points;
  - FX) Did not pass - 41-50 points; The student is allowed to an additional exam with an independent work.
  - F) Failed – 40 points; The student should retake the subject again.
- In case of negative assessment, the student is allowed to have an additional exam at least in 5 days after the final exam.

During the knowledge and skills assessment process oral, test, combined exams, objective structured clinical exam (OSCE), presentations, coursework / thesis are used. Assessment of learning outcomes at the completion of basic medical education includes not only theoretical knowledge but also practical skills.

## Possibility of employment for graduates of the program

Possibility of independent medical practice for the graduates – Medical Doctors – is regulated by employer's country legislation.

Graduates of the program have a right for scientific and academic activity.

A person with a diploma of an academic degree of medical doctor has the right to continue his/her studies in doctoral degree or take special course of professional training (residency).

Those students, who will have passed the both steps of American Medical Licensing Exams (USMLE) will have the right to participate in the competition for the residency in United States of America.

In Georgia, by the Law of Georgia On Medical Activity (Article 17), a person (citizen of Georgia or of a foreign country) graduated from the accredited higher medical institution and obtained relevant diploma has the right to:

Take the post-graduate professional training (clinical residency) course in particular medical specialty and after successful passing unified certification examination, obtain the license for independent medical practice in this particular specialty;

Undertake research and pedagogical practice in the theoretical or other fields of health care;

Work as junior physician (junior doctor). Junior physician works in a university hospital, clinic or other approved medical institution and is supervised by a clinical tutor.

## One step Educational Program - Stomatology

Program Title	Stomatology
Education Level	One – Step Educational Program
Qualification Degree	Doctor of Dental Medicine (DDM)
Study Duration	5 Years
Study Duration	300 ECTS credits (1 ECTS credit - 30 hours)
Instructional language	English
Tuition Fee	7000 USD, 10000 GEL for citizens of Georgia

### Admittance Requirements for the program Stomatology

Persons who have a high school or equivalent education and have passed the Unified National Admission Exams and are in possession of the relevant certificate are eligible for admission to the program. Also, admission requirements include results from Unified National Admission Exams, in prioritized subjects with their appropriate grades predetermined by the university.

The required grade for English language for Georgian citizens is >60%, in Georgian language, and in Biology, Chemistry, Physics and Mathematics – >45%.

The right to study without passing Unified National Exams on the program is determined by the Law on Higher Education - Article 52. Paragraph 3. Specifically:

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- a. Foreign citizens and non-citizens who have received full high school or equivalent education abroad.
- b. Georgian citizens who have received full high school or equivalent education abroad and completed the last 2 years in a foreign, English Speaking country.
- c. Persons who study/studied and have accumulated ECTS credits from a foreign country's high educational institution recognized in accordance with the legislation of the country.

Enrolling in the program through the mobility process is permitted after the completion of one academic year of study. Mobility is possible twice a year, in the periods established by the Ministry of the Education and Science of Georgia, compulsory procedures approved by the Act of the Director of National Centre for Educational Quality Enhancement and in accordance with the rules established by the University.

### Objectives of the program

One-step educational program for Doctor of Dental Medicine is designed to prepare a highly qualified, competitive, Doctor of Dental Medicine with the competence relevant to modern requirements. In other words, the program aims to equip graduates with knowledge and skills based on which a Doctor of Dental Medicine will be able to hold a working position in dental clinics, continue education on the next level of higher and/or professional education (residency, doctoral degree (PhD)) and specialization, as well as, realization and career advancement in public or professional activities.

The goals of the program, in more detail, means to train the student in the following directions:

- Apply and critically understand the basic knowledge of biomedical disciplines, clinical sciences and medical field in process of high quality patient care in relation to the profile issues of dental medicine / dentistry;
- Diagnose the health problems of dental patient timely, in an appropriate and effective manner;
- Take effective measures for the prevention of dental diseases;
- Treat, manage and promote the dental patient with patient-centered care;
- Communicate with the dental patient in an effective and professional way;
- Self-develop within the current legislation based on highly professional and ethical values.

### Learning Outcomes of DDM educational program

The learning outcomes of the program are in line with the objectives of the program, the accreditation standards of higher education; achievable and realistic within the available resources. Learning outcomes are grouped according to general and field competencies and include the basic knowledge, skills and responsibilities-autonomy provided by the content of the program.

### Knowledge

Biomedical, Behavioral, Clinical, Social Sciences and Fundamental Principles of the field :

- Biomedical (human anatomy, physiology, embryology, biochemistry, immunology, cytology), behavioral, social (psychology, human development, sociology) and preclinical sciences/disciplines;
- Knowledge of the types of the General medical and clinical dental disciplines/sciences (therapeutic, surgical, prosthodontic, as well as pediatric) diseases, discuss their development and clinical course, determine the methods of diagnosis, prevention, and treatment.
- Description of the organization of public health system, defining the role of the doctor/dentist in this system, taking into account the ethical and legal principles of his / her work.
- Overview of the current issues in the behavioral and social sciences in relation to the practice.

## Skills

### 2.1 Providing dental patient consultation

Ability to gather anamnesis, knowledge and application of diagnostic methods and facilities, effective communication with the patient, objective inspection of oral cavity and maxillofacial area, analysis and interpretation of the results obtained after clinical-laboratory examinations to outline appropriate strategies for further management of the disease; differential diagnosis of pathologies with similar clinical signs and objective evidences; complex assessment of the patient's condition and determination of the need for conservative, prosthodontic, orthodontic and surgical treatment.

### 2.2 Evaluation of clinical cases related to the oral and maxillofacial area; discussions on disease(s) management

Demonstrate the ability to make decisions and resolve complex clinical problems based on problem analysis conducted. Determine the sectoral problems (conservative, surgical, prosthodontic, orthodontic) and develop the schemes for disease management. Ability to provide differentiated approach to the problem solution in children, adolescents, adults and elderly patients, taking into account the patient's age.

### 2.3 Emergency dental care (within the competence)

- Primary medical care at acute and chronic pulp and periapical diseases in children, adolescents and adults;
- Primary medical care at primary (deciduous) and permanent teeth injuries (crown-root fractures, complete and partial dislocations);

- Primary medical care for damaged prosthodontic constructions (cracked or broken ceramic crowns, broken/cracked removable constructions and etc.);
- Primary medical care at injuries/lesions of oral and maxillofacial area;
- Primary medical care at development of urgent situations (fainting, collapse, hypertensive crisis, drug or medication allergies) in dental clinics.

#### 2.4 Selection of dental materials, facilities and instruments

- Anesthetic, oral cavity insulating (rubber dam, opal dam), filling, restorative, endodontic, impression and prosthodontic constructions' materials, instruments and means for tooth extraction, processing lesions, suturing and etc.

#### 2.5 Performance of clinical procedures/manipulations (within the competence)

- Selection of the materials for caries prevention and dental fissure sealing/ hermetization;
- Diagnosis of dental caries and teeth filling;
- Use of vital pulp testing and apex location for root canal (endodontic) treatment;
- Providing endodontic treatment and root canal filling;
- Managing simple and complex carious lesions of deciduous and permanent teeth in children and adolescents;
- Mastering in techniques used to conduct application, infiltrative and regional anesthesia;
- Determination of indications for tooth extraction and providing simple extractions;
- Processing lesions in oral cavity and putting the stitches /suturing;
- Following the rules for preparation of dental impression materials and taking impressions;
- Mastering in taking anatomical and functional impressions /imprints from the edentulous upper and lower jaws;
- Ability to fit the upper or lower complete removable dentures;
- Determination of central occlusion at total adentia;
- Acquaintance with periodontal disease treatment principles by using prosthodontic approaches; ability to perform selective grinding of teeth in periodontal disease treatment process;
- Ability to perform splinting of teeth;

#### 2.6 Communication with dental patient

- Ability individually communicate with patient and his/her relatives, colleagues; express personal opinion, listening to the controversial opinion, deliver bad/unpleasant news and calming down the patient - if necessary;
- Ability to find a way out of difficult situations and long-term collaboration with the patient;
- Ability to obtain informed consent from the patient (from his / her parent or guardian) on solution medical problems and mutual cooperation in this regard, based on assimilated and developed communication skills;

## 2.7 Following the ethical and legal principles in dental practice (LO 8)

- Understanding the obligations of the Doctor of Dental Medicine to care for human oral health as well as, overall health, in accordance with the ethical principles;
- Maintaining patient dignity and provide participation of patient involvement in decision making on dental manipulations and treatment. Obtaining informed consent for dental examinations and treatment from patients;
- Maintaining and protecting information confidentially about patients;

## Responsibility and autonomy

- 3.1. Performing professional duties in accordance with ethical and legal principles, protecting the patient's rights and ensuring his/her awareness and confidentiality
- 3.2. Adapting to a non-standard environment, leading the process of learning and applying the innovations in the field, providing independent learning and professional development activities.

## Student's Performance Assessment System

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### Possibility of employment for graduates

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Graduates of the program have a right for scientific and academic activity.

A person with a diploma of an academic degree of DDM has the right to continue his/her studies in doctoral degree, or take special course of professional training (residency).

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