

Tbilisi State Medical University

Faculty of Physical Medicine and Rehabilitation

The First Cycle of Higher Education

Bachelor of Midwifery Program

Accreditation date - 2019

Awarded academic degree – Bachelor’s degree in Midwifery

Program volume – 240 ECTS credits

Language of instruction - Georgian

Head of the Program - Professor Zaza Bokhua, MD., PhD

Short Introduction

Since 2009, within the project of "Improving Knowledge and Skills of Midwives in Georgia", a curriculum of international standards has been developed at TSMU in cooperation with the Rotterdam University (Netherlands).

The educational program mentioned incorporates recommendations and guidelines from esteemed organizations such as the International Confederation of Midwives (ICM), the International Federation of Gynecology and Obstetrics (FIGO), and the World Health Organization (WHO). This program aligns with both the medical education system of Georgia and the mission of Tbilisi State Medical University (TSMU). The curriculum is rooted in a problem-oriented approach throughout the teaching process, perfectly aligned with the principles of the Bologna Process.

All the above-mentioned fosters the internationalization of the educational process and employability among graduates. The programme is designed in accordance with the European Credit Transfer and Accumulation System (ECTS), encompassing a total of 240 credits, each credit equates to 30 hours; the number of contact and independent hours aligns with the learning outcomes specified by the study programme.

Program structure

A research- and evidence-based program is tailored to align with the healthcare epidemiological, demographic, social, and cultural priorities of the country, encompassing the following essential components

- Public health, health promotion, patient education
- Epidemiology and management of diseases
- Behavioral sciences
- Biological sciences
- Clinical Disciplines
- Obstetric
- Research skills
- Communication skills
- Professional, ethical and legal aspects
- Information management and information technologies
- Management and leadership

Programme Objectives:

The objective of the programme is in line with the visions reflected in the mission of Tbilisi State Medical University, ensuring the preparation of a competent bachelor of Midwifery who will have the following competencies:

- **Direction - reproductive health promotion:**

Promoting the reproductive health of pregnant women and women in labor. Through educational and counseling activities, graduates will assist women and their families in making informed decisions based on individual needs.

- **Practical application of clinical skills essential for midwifery practice:**

Timely identification of critical conditions in the maternity unit and encourages participation in appropriate decision-making within competence. Graduates will collaborate with the obstetric team to ensure the safe delivery of live and viable newborns while maintaining maternal health quality, ultimately reducing maternal, fetal and newborn morbidity / mortality rates.

- **Objective self-evaluation of own knowledge and professional skills, as well as leveraging all available opportunities for their development:**

Lifelong learning and readiness for continuous professional development. Upon completion of the program, graduates will be conferred the academic degree of Bachelor of Midwifery. Graduates will also have the opportunity to continue studies at the second cycle of higher education, pursuing a Master's degree.

Learning outcomes

Knowledge and Understanding

The graduate knows/is aware of:

- Country's health care system, basic values of nursing, ethical and legal aspects, modern means of communication, principles of information registration, storage and distribution, role of the nurse in health promotion and provision, both individually and as part of a multidisciplinary professional team.
- Basic theoretical knowledge and clinical skills are imperative for professional engagement, alongside adhering to safety protocols and infection control measures to maintain a secure workplace environment.
- Need for continual professional development.

Abilities

Graduates have the ability of:

- Utilizing acquired knowledge and practical skills within competence for planning and executing work at an appropriate level, thereby enhancing quality, demonstrating leadership and organizational skills, effectively delegating functions.
- Conducting antenatal examination to facilitate the timely detection and management of the problem, overseeing physiological deliveries and assessing the newborn's condition.

- Conducting postnatal examinations, prevention of expected complications, identification of problems and appropriate management. Providing an optimal, safe, comfortable and ethical environment for the mother and newborn in the postnatal period, assisting the woman in the breastfeeding process, and in case of problems - providing the right recommendations and appropriate care, performing various invasive interventions and non-invasive procedures within competence.
- Promptly identifying and managing life-threatening conditions affecting both the mother / newborn, systematically and accurately assessing the needs for professional intervention, prioritizing patient safety in case of obstetric and gynecological complications, providing skilled assistance to women under supervision, ensuring optimal care.
- Timely identification and management of life-threatening conditions of the mother/newborn, systematically and accurately assessing the need for professional assistance and ensuring patient safety in case of obstetric and gynecological problems, providing qualified assistance to the woman under supervision.
- Providing information on safe sex and contraception within competence for family planning purposes, conducting appropriate screening tests and implementing preventive measures when necessary, offering primary emergency medical aid as required, coordinating with other healthcare professionals to ensure the well-being of mothers and children, monitor health, and enhance medical services. Conducting educational and counseling activities with women, families, and adolescents, focusing on topics such as: healthy nutrition, lifestyle choices, immunization, and avoidance of harmful habits, sexually transmitted diseases, and prevention of unwanted pregnancies.
- Producing, storage and protection of relevant medical documentation/records. Engaging in effective communication within a dynamic professional setting, utilizing modern information and communication technologies and adapting to new technological advancements. Receiving, processing and communicating specific professional information through various mediums, in both native and foreign languages. Conducting interpersonal communication with healthcare and other types of professional teams for effective cooperation and coordinated activities, engaging in research and evidence-based practice, alongside maintaining a perpetual focus on enhancing one's professional competence through continuous professional development.

Responsibility and autonomy

Graduates have the ability of:

- Autonomously identifying their knowledge gaps, needs, and priorities for further professional development, thereby refining their practice and advancing career through various postgraduate and continuing education opportunities.

➤ Carrying out responsibilities with high accountability in a dynamic professional settings, employing a critical approach to their activities when needed, considering professional notes, instructions, and recommendations. Appreciating the attitudes of others towards professional values and sharing one's own attitudes with others, acting in accordance with international and local legal and ethical norms regulating nursing activities.

Curriculum of the Bachelor of Midwifery program

No	Discipline	Semester	Credits
1	Introductory course	I	3
2	Medical physics, biophysics	I	4
3	Medical chemistry	I	5
4	Medical Biology, Genetics	I	3
5	Basics of histology	I	6
6	Professional Latin language	I	2
7	Academic writing	I	2
8	Anatomy 1	I	5
1	Medical biochemistry	II	3
2	Anatomy 2	II	5
3	Physiology 1	II	5
4	Microbiology	II	2
5	Immunology	II	2
6	Basic Course of computer technologies	II	3
7	Bioethics	II	2
8	Foreign language 1	II	4
9	Skills for patient's basic care	II	2
10	Clinical skills 1	II	2
1	Pathologic anatomy	III	2
2	Pathologic physiology	III	2
3	Basics of pharmacology	III	3
4	Basics of psychology	III	2
5	Basics of sociology	III	2
6	Public health	III	2
7	Basics of Hygiene	III	3
8	Physiology 2	III	4
9	Foreign language 2	III	3
10	Scientific Research	III	2
11	Introduction in Obstetric	III	2

12	History of medicine (Elective)	III	3
13	Psychohygiene (Elective)	III	3
1	Internal medicine	IV	5
2	General surgery	IV	5
3	General Course of neurology	IV	3
4	Dermatology	IV	2
5	General Course of infectious diseases	IV	3
6	General Course of pediatrics	IV	4
7	Principles of emergency medicine	IV	3
8	Obstetrics 1	IV	2
9	Child and adolescent hygiene (Elective)	IV	3
10	Environmental hygiene (Elective)	IV	3
1	Reproductology	V	3
2	Epidemiology	V	2
3	Sociology	V	2
4	Psychosexology	V	2
5	Healthcare organization and management 1	V	2
6	Control of Sexually transmitted diseases (STD)	V	2
7	Control of HIV infection	V	4
8	Clinical pharmacology 1	V	4
9	Obstetrics 2	V	3
10	Practical skills 1	V	3
11	Point Massage / Acupuncture (Elective)	V	3
12	Massage Therapy (Elective)	V	3
1	Obstetrics 3	VI	7
2	Neonatology 1	VI	5
3	Nutrition hygiene	VI	3
4	Healthcare organization and management 2	VI	2
5	Clinical pharmacology 2	VI	3
6	Practical skills 2	VI	7
7	Occupational Diseases (Elective)	VI	3
8	Sports massage (Elective)	VI	3
1	Obstetrics 4	VII	8
2	Neonatology 2	VII	5
3	Clinical pharmacology 3	VII	3
4	Introduction to gynecology	VII	5
5	Practical skills 3	VII	6
6	General Basics of Massage (Elective)	VII	3
7	Acupuncture, reflexotherapy (Elective)	VII	3
1	Consolidated clinical practice	VIII	20
2	Clinical Skills 2	VIII	7

3	Tolerance and Diversity (Elective)	VIII	3
4	Chemical, bacteriological, radiological, nuclear safety (Elective)	VIII	3