

American MD (Medical Doctor) Program

Program title: American MD Program

Education level: One – step educational program

Qualification degree: Medical Doctor

Program duration: 6 years

Program volume: 360 ECTS credits (1 ECTS credit to 30 hours)

Learning language: English

The goal of the educational program

American MD (USMD) program is designed to train internationally competitive and competent, highly qualified physicians (Doctors) who are ready for postgraduate education and the specific training courses, both in Georgia and abroad (particularly in the U.S.). The medical cadres are prepared according to the requirements and standards of the country medical/public health care system.

Therefore, the program must:

- Provide a modern, internationally recognized standards, scientific knowledge and technological advancement of medical education;
- The future doctors should develop life-long learning skills and self-motivation;
- Ensure that medical personnel preparation and training using new information technologies;
- Ensure that the medical education meets the requirements and standards of the national healthcare system;

American MD Program offers a wide choice of possibilities, including:

1. Considers the elements of general university education - the program includes a set of humanitarian subjects: In the medical field of Georgia, it is actually the only program which includes teaching disciplines such as the history of civilizations, Anthropology, Art history, Philosophy, World literature, etc. All these disciplines are integrated taking into account the so-called "Axis of Time".
2. The program is fully integrated - integration is achieved through the basic, preclinical and clinical disciplines of both horizontal and vertical principles.
3. The program structure provides to pass two steps in the US Medical License Examination - the program is so structured to allow students to be able to pass two steps to the so-

called United State Medical License Examination (USMLE). In addition, on the basis of the agreement between TSMU and Emory University, any student of the American MD Program, which will pass the first level of USML exams during the course, has a right undergo some part of clinical rotations in Emory Medical School.

4. Research component - research component is presented in the program with considerable volume, which considers the involvement of a student in a basic or clinical medicine, health care organization and other areas of medicine.
5. One of the features of the program is structured system of student public education: Each student is associated with the public, that's why the program devotes much attention to this issue. Each group has an advisor - a small group coordinator who helps the student during the full course of the program in the process of adaptation to the academic environment, university and general requirements of the society.
6. The extracurricular part of the program is project of "Summer at Emory" and "Winter at Emory", which was initiated by Emory University to encourage program students. This project is implemented twice a year and aims to introduce the American medical education and health care systems to TSMU students. The project is 4 weeks long and students have the opportunity to attend the current study process (lecture-seminars), as well as the daily clinical activities of American doctors.

Graduate from the American MD program at TSMU:

- Has knowledge in basic, clinical, behavioral and social sciences which are essential for medical practice;
- Has general clinical skills;
- Can evaluate and use properly obtained medical information for solving different clinical problems;
- Is able to assess health condition of each member of society and improve national health service on the basis of knowledge obtained in clinical, biomedical and behavioral sciences
- Can critically evaluate scientific and clinical news and utilize them to improve the clinical practice;
- Understands essentiality of continuous medical education and professional development

Requirements for involvement:

- Non-Georgian citizens with corresponding documentation should apply (send the documents) through the Ministry of Education and Science of Georgia. After approval from the Ministry they have right to start the undergraduate program.
- Georgian citizens are required to pass through the National Exams.

Learning and Teaching Methods and Evaluation System

Essential terms for teaching at the faculty of medicine are: integration of theoretical and practical teaching; development of clinical skills in virtual simulation centers and clinical environment. New technologies must have an advantage during the teaching. Teaching is student oriented which means students' active participation in the study process and involves case teaching, discussions, empiric teaching, seminars and projects.

Teaching forms used in study process:

- Interactive lectures, seminars, colloquiums
- Studying in clinical environment
- Standardized patients, Simulators, and moulages
- Performing a roll of patient or physician
- Laboratory teaching
- Presentations
- Participation in scientific research
- Practice

Possibility of employment for graduates of American MD Program

- Possibility of independent medical practice for the graduates – Medical doctors – is regulated by employer country's legislation.
- Graduates of the program have a right to scientific and academic activity.
- A person with a diploma of an academic degree of medical doctor has the right to continue his studies in doctoral degree, or take special course of professional training (residency). **For the students, who will have passed the both steps of American licensing exams, will have the right to participate in the competition for the residency in United States of America.**

Learning Courses of the American MD Program

	Discipline / Module / Clerkship	Semester	Credits (ECTS)
	A / Core Disciplines		
1	Chemistry 1, 2	I, II	9 (5+4)
2	Biophysics 1, 2	I, II	8 (4+4)
3	Molecular Biology	I	5
4	Medical Anthropology	I	2
5	History of Civilizations 1, 2	I, II	4 (2+2)
6	World Literature 1, 2	I, II	4 (2+2)
7	Art History 1, 2	I, II	4 (2+2)
8	Georgian Language 1, 2	I, II	5 (2+3)
9	Academic English	I	3
10	BAD (Becoming A Doctor) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	I, II, III, IV, V, VI, VII, VIII, IX, X	28 (3+3+3+3+3+3+3+2+2)
11	Medical Genetics	II	4
12	Histology, Cytology, Embryology (ETC)	II	4
13	Philosophy and Religion	II	2
14	Module: Basics of Medicine, Prologue 1 (Combines Human Anatomy, Physiology, Biochemistry)	III	9
15	Module: Neural Control (Combines Human Anatomy, Physiology, Biochemistry, Histology, Embryology)	III	8
16	Module: Human Development, Aging and Death	III	2
17	Medical Microbiology and Introduction to Infectious Diseases 1, 2	III, IV	10 (4+6)
18	Module: Epidemiology and Biostatistics	III	2
19	Basics of Public Health	III	2
20	Module: Exercise and Movement (Combines Human Anatomy, Physiology, Biochemistry, Histology, Embryology)	IV	11
21	Module: Nutrition and Metabolism (Combines Human Anatomy, Physiology, Biochemistry, Histology, Embryology)	IV	7
22	Module: Endocrine Control (Combines Human Anatomy, Physiology, Histology, Embryology)	IV	3
23	Module: Basics of Pathology, Prologue 2 (Combines Pathology, Genetics, Pharmacology)	V	7
24	Module: Skin, Bones, Muscles and Joints (SBMJ) (Combines Pathology, Pharmacology, Clinical Basics of SBMJ)	V	5
25	Module: Cardio-Vascular System	V	9

	(Combines Pathology, Pharmacology, Clinical Basics of Cardiology)		
26	Immunology	V	4
27	Module: Respiratory/Pulmonary System (Combines Pathology, Pharmacology, Clinical Basics of Pulmonology)	VI	6
28	Module: Gastrointestinal System (Combines Pathology, Pharmacology, Clinical Basics of GI pathology)	VI	6
29	Module: Renal and Genitourinary System (Combines Pathology, Pharmacology, Clinical Basics of Genitourinary System pathology)	VI	8
30	Module: Endocrine Module/ Endocrine and Reproductive System (Combines Pathology, Pharmacology, Clinical Basics of Endocrine and Reproductive System Pathology)	VI	7
31	Module: Hematology (Combines Pathology, Pharmacology, Clinical Basics of Hematology)	VII	5
32	Module: Neuroscience 1 (Combines Pathology, Pharmacology, Neuroanatomy)	VII	9
33	Module: Neuroscience 2 (Combines Pharmacology, Clinical Basics of Psychiatry)	VII	7
34	Summation Module: Interdisciplinary Correlations	VII	3
35	Module: Research	XI	12
	Core Clinical Clerkships		
36	Internal Medicine - Core Clerkship	VIII	11
37	Pediatrics - Core Clerkship	VIII	11
38	Surgery - Core Clerkship	VIII	11
39	Obstetrics and Gynecology - Core Clerkship	IX	8
40	Psychiatry - Core Clerkship	IX	8
41	Primary Care - Clerkship	IX	8
	Sub internships		
42	Pediatrics - Sub internship	X	5
43	Internal medicine - Sub internship	XII	6
	General Clerkships		
44	Emergency Medicine	X	4
45	Radiology	X	4
46	Neurology	X	5
47	Urology	X	5
48	Oncology	XI	5
49	Anesthesiology, Toxicology	XII	6
50	Capstone	XII	2

	Electives (general courses and clerkships)		37
	Electives (general courses)		2
51	The Basics of Scientific Research	V	2
	Evidence Based Medicine	V	2
52	Elective Surgery (Subspecialty)		8 (4+4)
	Cardio surgery, Angiosurgery, Neurosurgery	X	4
53	Pediatric Surgery, Orthopedics/Traumatology	X	4
54	Elective clinical clerkship,		8 (4+4)
	ENT, Dermatology, Ophthalmology	XI	4
55		XI	4
56	Elective Subi		5
	Obstetrics and Gynecology, Psychiatry, Primary care	XI	5
57	Elective		14 (7+7)
	Endocrinology, infectious disease,	XII	7
58	Forensic medicine, Cardiology, Angiology	XII	7
	Total credits		360