

MD

Program	Degree	Duration
Doctor of medicine	MD	7/5 years

- The MD program includes 4 main stages: Basic Sciences (5 semesters), Clinical preparations (Physiopathology stage – 2 semesters), Clinical Clerkship (21 months), and Clinical Internship (18 months).

Basic Sciences

First semester			
Row	Course	Prerequisite course	Credit
1	Persian literature		3
2	General English		3
3	Islamic thought 1		2
4	Physical education 1		1
5	Cellular and molecular biochemistry (theoretical)		1/88
6	Cellular and molecular biochemistry (practical)	Cellular and molecular biochemistry (theoretical)	0/44
7	Basic sciences anatomy		2/47
8	Cell physiology		0/82
9	Musculoskeletal anatomy	Basic sciences anatomy	2/35
10	Educational rules and regulations		0/5
11	Life skills		0/5
12	Medical etiquette 1		0/5

Second semester			
Row	Course	Prerequisite course	Credit
1	Islamic thought 2	Islamic thought 1	2

2	Physical education 2	Physical education 1	1
3	Islamic ethics		2
4	Discipline biochemistry (theoretical)	Cellular and molecular biochemistry (theoretical)	1/3
5	Discipline biochemistry (practical)	Discipline biochemistry (theoretical)	0/44
6	Respiratory system anatomy	Basic sciences anatomy	0/7
7	Respiratory system physiology	Cell physiology	0/6
8	Blood circulation system anatomy	Basic sciences anatomy	1/47
9	Blood circulation physiology	Cell physiology	1/11
10	Blood physiology	Cell physiology	0/3
11	Heart physiology	Cell physiology	0/47
12	Specialized medical language 1	General English	3
13	Medical etiquette 2		0/5
14	Principles of health services		1/5
15	Health psychology		2

Third semester			
Row	Course	Prerequisite course	Credit
1	Thematic interpretation of Quran		2
2	culture and civilization of Islam and Iran		2
3	Medical bacteriology		3
4	Anatomy of nervous system	Basic sciences anatomy	1/88
5	Anatomy of special senses	Basic sciences anatomy	0/94
6	Physiology of nervous and special senses	Cell physiology	1/41
7	Head and neck anatomy	Basic sciences anatomy	1/68
8	Specialized medical language 2	Specialized medical language 1	3
9	Medical etiquette 3		0/5
10	Practical physiology 1	Cell physiology, Blood circulation physiology, Blood physiology, Heart physiology,	0/41

		Respiratory system physiology	
11	Medical immunology		2
12	Clinical biochemistry	Cellular and molecular biochemistry, Discipline biochemistry	0/5

Fourth semester			
Row	Course	Prerequisite course	Credit
1	Contemporary history of Iran		2
2	Knowledge of family and population		2
3	Digestive system anatomy	Basic sciences anatomy	2/03
4	Digestive physiology	Cell physiology	0/59
5	Genitourinary system anatomy	Basic sciences anatomy	1/06
6	Kidney Physiology	Cell physiology	0/7
7	Kidney biochemistry	Cellular and molecular biochemistry, Discipline biochemistry	0/24
8	Parasitology		2
9	mycology		1
10	Medical etiquette 4		0/5
11	Principles of epidemiology		2
12	virology		1
13	General principles of nutrition	Cellular- Molecular Biochemistry	2
14	Medical genetics	Cellular- Molecular Biochemistry, Cell Physiology, Basic sciences anatomy	2

Fifth semester			
Row	Course	Prerequisite course	Credit
1	Endocrine anatomy	Basic sciences anatomy	0/42
2	Endocrine physiology and reproduction	Cell physiology	1/18

3	hormones biochemistry	Cellular and molecular biochemistry, Discipline biochemistry	0/7
4	Practical physiology 2	Digestive physiology, Kidney Physiology, Endocrine physiology and reproduction, Physiology of nervous and special senses	0/41
5	Medical physics		2
6	General pathology (theoretical)		3/2
7	General pathology (practical)	General pathology (theoretical)	0/8
8	Basic principles of pharmacology		1
9	Cell culture		1
10	Surgical anatomy	Basic sciences anatomy, Musculoskeletal anatomy, Respiratory system anatomy, Blood circulation system anatomy, Anatomy of nervous system, Anatomy of special senses, Head and neck anatomy, Digestive system anatomy, Genitourinary system anatomy, Endocrine anatomy	1
11	English grammar		2
12	Exercise physiology	Cell physiology, Blood circulation physiology, Blood physiology, Heart physiology, Respiratory system physiology, Digestive physiology, Kidney Physiology, Endocrine physiology and reproduction, Physiology of nervous and special senses	1

13	Nutrition in diseases	General principles of nutrition	2
14	Health management in accidents and disasters		2

***Mandatory courses before the basic science exam**

***15 floating credits are required before being stager**

***4 optional credits are required before pre-intern exam**

Physiopathology stage

First semester			
Row	Course	Prerequisite course	Credit
1	Introduction to cardiovascular diseases	—	2
2	Introduction to kidney diseases	—	1/6
3	Specialized pathology 1	general pathology	2/9
4	Introduction to respiratory system diseases	—	2
5	Introduction to digestive and liver diseases	—	2/1
6	Introduction to psychiatric diseases	—	0/5
7	Introduction to infectious diseases	—	1
8	Medical pharmacology 1	basic principles of pharmacology	1/5
9	History and physical examination 1	—	1
10	History and physical examination internship 1	—	1
11	Epidemiology of common contagious diseases in the country	principles of epidemiology	1
12	Clinical immunology	medical immunology	1

Second semester			
Row	Course	Prerequisite course	Credit
1	Introduction to rheumatology diseases	-	1/6
2	Introduction to endocrine and metabolic diseases	-	2
3	Specialized pathology 2	general pathology	1/8
4	Clinical reasoning lesson in approach to common sign and symptoms	-	0/5
5	History and physical examination 2	-	1
6	History and physical examination internship 2	-	1
7	Introduction to children's diseases	-	1
8	Introduction to surgical diseases	-	1
9	Medical pharmacology 2	basic principles of pharmacology	1/5
10	Epidemiology of the conductive diseases in the country	principles of epidemiology	1
11	Medical statics	principles of epidemiology	1
12	Principles of population and family health	Principles of health services	2
13	Introduction to nervous diseases	-	0/5
14	Introduction to blood diseases	-	2
15	Clinical pathology	general pathology	1

Clinical Clerkship courses		
Row	Course	Credit
1	Clinical Clerkship of Internal Diseases	9
2	Clinical Clerkship of Cardiovascular Diseases	3
3	Clinical Clerkship of Pediatrics Diseases	9
4	Pediatrics Diseases I	4
5	Pediatrics Diseases II	1
6	General Surgery Clerkship	6
7	Surgical Diseases	5
8	Orthopedics Clerkship	3
9	Orthopedic Diseases	3

10	Urology Clerkship	1/5
11	Urology (Genitourinary Tract Diseases)	1
12	Anesthesiology Clerkship	1/5
13	Clinical Clerkship of Gynecology and Obstetrics Diseases	6
14	Gynecology and Obstetrics Diseases	4
15	Community and Family Medicine Clerkship	3
16	Psychiatrics Clerkship	3
17	Psychiatrics Diseases	1/5
18	Emergency Medicine Clerkship	1/5
19	Radiology Clerkship	3
20	Clinical Clerkship of Infectious Diseases	3
21	Infectious Diseases	2
22	Clinical Clerkship of Neurology Diseases	3
23	Neurology Diseases	1/5
24	Clinical Clerkship of Dermatology Diseases	3
25	Clinical Clerkship of Ophthalmology Diseases	1/5
26	Clinical Clerkship of ENT Diseases	3
27	Medical Ethics	2
28	Forensic Medicine and Poisonings	2
29	Research Methodology and Evidence-Based Medicine	1
30	Traditional Medicine	2
31	prescription	1
32	Workshop thesis	1

Clinical internship courses

Row	Course	Credit
1	Clinical Internship of Internal Diseases	12
2	Clinical Internship of Cardiovascular Diseases	4
3	Clinical Internship of Pediatrics Diseases	12
4	Clinical Internship of Infectious Diseases	2
5	Emergency Medicine Internship	4
6	General Surgery Internship	8
7	Clinical Internship of Neurology Diseases	2
8	Orthopedics Internship	2
9	Clinical Internship of ENT Diseases	2
10	Urology Internship	2
11	Clinical Internship of Ophthalmology Diseases	2
12	Clinical Internship of Dermatology Diseases	2
13	Clinical Internship of Gynecology and Obstetrics Diseases	8
14	Neuro Surgery Internship	2
15	Community and Family Medicine Internship	4
16	Psychiatrics Internship	4