

## Doctor of medicine (MD) program

### Advisory plan for the basic biomedical sciences (Basic phase)

The basic biomedical sciences program consists of 131 credit hour (CH) distributed over Year 1, Year 2, and Year 3. Each year is divided into two semesters (first and second semester) plus summer semester. The courses are distributed as university compulsory courses (student must complete 19 CH), specialty compulsory courses for basic medical sciences (student must complete 87 CH), elective courses (student must complete 25 CH).

### Advisory plan for the basic biomedical medical sciences

Year 1/ 1 <sup>st</sup> semester			
Compulsory courses			Elective courses
Course number	Course name	CH	The student can choose 2 CHs from the list of elective courses. The program coordinator offers <b>cell biology</b> .
7101101	Introduction to anatomy	2	
7104101	General biology for HS	3	
7108101	Biophysics	3	
7227102	First Aid	1	
10231114	General Chemistry for HS	3	
10231115	General chemistry for HS Lab	1	
	University Compulsory Course	3	
	University Compulsory Course	3	
Sub total		19	2
Total		21	
Year 1/ 2 <sup>nd</sup> semester			
Compulsory courses			Elective courses
Course number	Course name	CHs	The student can choose 1 CHs from the list of elective courses. The program coordinator offers: <b>History of medicine and pharmacy</b> <b>Communication skills</b>
7101201	Anatomy limbs and back.	3	
7101200	Anatomy limbs and back LAB	0	
7104210	Principles of &Metabolic Biochemistry	3	
7104211	Principles of &Metabolic Biochemistry LAB	1	
10231239	Organic Chemistry I for HS Lab	1	
10231236	Organic Chemistry I for HS	3	
7103101	Histology I	2	
10216235	Biostatistics for Medical and HS students	3	
7227202	medical ethics	1	
	University Compulsory Course	3	
Sub total		20	1
Total		21	

Year 2/ 1st semester			
Compulsory courses			Elective courses
Course number	Course name	CHs	
7102201	Medical Physiology I	4	
7104212	Molecular Biochemistry	2	
7104213	Molecular Biochemistry LAB	1	
7105403	Microbiology General	3	
7105404	Microbiology General LAB	1	
7106201	Public health & Epidemiology	3	
7106201	Behavioral Sciences	3	
7101102	Anatomy Thorax Abdomen Pelvis	3	
7101104	Anatomy Thorax Abdomen Pelvis LAB	0	
Sub total		20	
Total		20	
Year 2/ 2nd semester			
Compulsory courses			Elective courses
Course number	Course name	CHs	
7104214	Human Genetics	2	
7102202	Medical Physiology II	4	
7102212	Medical Physiology Lab	0	
7309201	Pharmacology I	4	
7105302	Microbiology Medical	4	
7106301	Nutrition	2	
7101202	Anatomy Head & neck	2	
7103102	Histology II	2	
	University Compulsory Courses	1	
Sub total		21	
Total		21	
Year 3/ 1st semester			
Compulsory courses			Elective courses
Course number	Course name	CHs	The student can choose 3 CHs from the list of elective courses. The program coordinator offers <b>Endocrinology</b> <b>Environmental toxicology</b> <b>Pharmacy ethics and professionalism</b>
7103301	Pathology I	5	
7105306	Immunology	3	
7309202	Pharmacology II	4	
	Neuroanatomy	3	
	University Compulsory Courses	3	
Sub total		18	3
Total		21	
Year 3/ 2nd semester			
Compulsory courses			Elective courses
Course number	Course name	CHs	The student can choose 3 CHs from the list of elective courses. The program coordinator offers <b>Endocrinology</b> <b>Embryology</b>
7103302	Pathology II	5	
7103310	Pathology LAB	0	
7227301	Clinical Psychology	3	
7105307	Lab Methods	3	

	Hematology	3	
	Science & Art of Clinical Medicine	4	
Sub total		18	3
Total		21	
<b>Summer course</b>			
Compulsory courses	Elective courses		
The student must register the remaining three CHs from the list of compulsory courses.			
Total		6	

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Notes: several important courses during the basic phase such as *Medical Ethics*, *Anatomy Limbs & Back*, *Anatomy Head & Neck*, *Neuroanatomy*, and *Hematology*, are listed as elective courses. In order to comply with MD program requirements and be able to make the transfer to the clinical medical sciences phase of the study, the students must register these courses.

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**Last updated: Director of basic biomedical sciences program on September 01, 2021**

**Last Reviewed and Approved: Medical Program Committee September 20, 2021 – MPC meeting**

**Last reviewed and approved: Basic curriculum committee & medical program committee November 2022**