

# FACULTY OF MEDICAL SCIENCES



Study Program of the First Cycle in:

## LABORATORY TECHNICIAN

DURATION/ STUDY SYSTEM:

**3-ACADEMIC YEARS/FULL TIME**

Degree Designation:

**BACHELOR IN LABORATORY TECHNICIAN**

### CURRICULA

#### FIRST-YEAR:

<i>Nr.</i>	<i>Courses</i>	<i>ECTS</i>
<b>1</b>	<b>Public health</b>	<b>5</b>
	1.1 Public Health	2.5
	1.2 Ethics	1
	1.3 Legislation	1.5
<b>2</b>	<b>Biostatistics and Medical Informatics</b>	<b>3</b>
	2.1 Biostatistics	2
	2.2 Informatics	1
<b>3</b>	<b>Psychosociology</b>	<b>4</b>
	3.1 Psychology	2
	3.2 Sociology	2
<b>4</b>	<b>Natural Science</b>	<b>8.5</b>
	4.1 Biology	3
	4.2 Biochemistry	3
	4.3 Biophysics	2.5
<b>5</b>	<b>Foreign Languages</b>	<b>7</b>
	5.1 Latin	2
	5.2 Foreign Language I	2.5
	5.3 Foreign Language II	2.5
<b>6</b>	<b>Human Morphology</b>	<b>9</b>
	6.1 Anatomy and Histology	5
	6.2 Physiology	4
<b>7</b>	<b>Microbiology and Immunology</b>	<b>8.5</b>
	7.1 General Microbiology	3.5
	7.2 Applied Microbiology	2.5
	7.3 Immunology	2.5
<b>8</b>	<b>Chemistry and Physics</b>	<b>7</b>
	8.1 Inorganic Chemistry	2.5
	8.2 Organic Chemistry	2.5
	8.3 Physics	2

9	Practice/Internship	8
---	---------------------	---

### SECOND-YEAR

<i>Nr.</i>	<i>Courses</i>	<i>ECTS</i>
1	Pathological Anatomy	2
2	Special Microbiology	10
3	Histo Pathological Techniques	2
4	Emergency Internal Diseases	6
5	Pediatrics	6
6	Hematology and Hemostasis	4
7	Diagnostic Immunology	4
8	Basic Laboratory Principles	4
9	Elective Courses 1 Laboratory Organization and Management 2 Laboratory Automation Techniques	4
10	Biomedical Sciences 10.1 Clinical Biochemistry 10.2 Tumor Markers	8 5 3
11	Practice/Internship	10

### THIRD-YEAR:

<i>Nr.</i>	<i>Courses</i>	<i>ECTS</i>
1	Microbiological and Molecular Diagnostics 1.1 Microbiological Diagnostics 1.2 Molecular Diagnostics	10 5 5
2	Biological Fluids 2.1 Examination of urine 2.2 Examination of biological fluids	7 3 4
3	Hematological Diseases 3.1 Laboratory Hematology 3.2 Immunohematology 3.3 Immunopathology 3.4 Blood Diseases	17 8 2 2 5
4	Emergency Analysis	3
5	Applied Biochemistry	5
6	Elective Courses 1 Nutrition 2 Safety at Work	3
7	Practice/Internship	10
8	Final Exam	5

Total ECTS credits: 180