

EDUCATION PROGRAM
MEDICAL LABORATORY TECHNIQUE
UNDERGRADUATE LEVEL

Program name: **Medical Laboratory Technique**

Education level: **Undergraduate**

Field of Study: **Medical Laboratory Technique**

Program Code: **7720601**

Mode of Study: **Full-time**

1. PROGRAM DESCRIPTION

The Medical Laboratory Technology program aims to train students to successfully become Bachelors of Medical Laboratory Technicians who obtain adequate knowledge, professional skills, political qualities, ethics, professional style and good health to have capability to work effectively in the fields related to medical testing activities at medical facilities and businesses in the medical field.

2. PROGRAM DURATION: 4 years

3. PROGRAM CREDITS

The program contains: **137** credits (excluding *Physical Education course* and *National Defense and Security Education* courses), are allocated as follows:

Program structure	Number of credits
General education knowledge	28
Professional education knowledge	109
- Foundational knowledge	35
- Major and specialized knowledge	66
- Internships, theses, graduation papers	8
Total	137

4. PROGRAM CONTENT

4.1 General education knowledge

No.	Course Title	Total Credits	Credit Distribution		Classified
			Theory	Practice	
1	Philosophy	3	3		
2	Political Economy	2	2		
3	Scientific Socialism	2	2		
4	Ho Chi Minh Ideology	2	2		
5	History of the Communist Party of Vietnam	2	2		
6	Basic and Specialized English	12	12		
7	Basic Informatics	3	2	1	
8	General Law	2	2		
9	Physical Education*	3		3	prerequisite
10	National Defense and Security Education*	8	5	3	prerequisite
	Total *	28 *	27	1	

** Physical education and National defense and Security education are not included*

4.2. Professional education Knowledge

4.2.1. Basic Knowledge of Health Science Sector

No.	Subject/Module Name	Total Credits	Credit Distribution		Classified
			Theory	Practice	
1	Medical Statistics	3	3		required
2	General Chemistry	2	1	1	required
3	Biology and Genetics	2	1	1	required
4	Health Science Research Methodology	2	2		required
5	Biophysics	3	2	1	required

	Total	12	9	3	
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4.2.2. Basic Knowledge of Sector

No.	Subject/Module Name	Total Credits	Credit Distribution		Classified
			Theory	Practice	
1	Anatomy	3	2	1	required
2	Physiology	2	1	1	required
3	Histology and Embryology	3	2	1	required
4	Pathophysiology and Immunology	2	2		required
5	Pharmacology	1	1		required
6	Basic Nursing - First Aid	2	1	1	required
7	Internal Medicine Pathology	2	2		required
8	Surgical Pathology	2	2		required
9	Epidemiology	2	2		required
10	Health Organization and Management	2	2		required
11	Environment and Health	2	2		required
	Total	23	19	4	

4.2.3. Specialized knowledge

No.	Subject/Module Name	Total Credits	Credit Distribution		Classified
			Theory	Practice	
1	Basic Laboratory Techniques	2	1	1	required
2	Biosafety	2	2	0	required
3	Hematology 1	3	2	1	required
4	Hematology 2	3	2	1	required
5	Blood Coagulation - Blood Transfusion	4	2	2	required
6	Biochemistry 1	3	2	1	required
7	Biochemistry 2	3	2	1	required
8	Biochemistry 3	4	2	2	required

9	Microbiology 1	2	1	1	required
10	Microbiology 2	3	2	1	required
11	Microbiology 3	2	1	1	required
12	Microbiology 4	2	1	1	required
13	Parasitology 1	2	1	1	required
14	Parasitology 2	2	1	1	required
15	Parasitology 3	2	1	1	required
16	Cytology 1	2	1	1	required
17	Cytology 2	2	1	1	required
18	Molecular Biomedicine	3	1	1	required
19	Infection Control	2	1	1	required
20	Laboratory Internship 1: Biochemistry	4		4	required
21	Laboratory Internship 2: Hematology	4		4	required
22	Laboratory Internship 3: Microbiology & Parasitology	4		4	required
23	Graduation Internship	4		4	required
	Total	59	25	34	

4.3. List of Elective Modules

No.	Subject/Module Name	Total Credits	Credit Distribution		Classified
			Theory	Practice	
25	Molecular Biomedicine	3	2	1	Optional
26	Infection Control	2	2	0	Optional
27	Laboratory Quality Management	2	2	0	Optional
Graduation Thesis					
28	Graduation Thesis	4		4	Optional
Alternative Modules					
29	Immunological Testing	2	2	0	Optional
30	Advanced Cytology	2	2	0	Optional
	Total	11	6	5	

Rector

Faculty of Medicine