MINISTRY OF EDUCATION AND TRAINING

NAM CAN THO UNIVERSITY

SOCIALIST REPUBLIC OF VIETNAM

Independence – Freedom – Happiness

MEDICAL IMAGING TECHNOLOGY PROGRAM

UNDERGRADUATE LEVEL

Program Name: Medical Imaging Technology Program

Level of Education: Bachelor's Degree (Full-time)

Field of Study: Medical Imaging Technology

Program Code: 7720602

Type of Training: Full-time

1. PROGRAM DESCRIPTION

The Medical Imaging Technology program aims to train Bachelor-level professionals with sufficient knowledge, skills, ethical standards, and professional conduct to effectively work in medical imaging-related fields at healthcare facilities and medical businesses.

2. TRAINING DURATION: 4 years

3. TOTAL CREDITS FOR THE ENTIRE PROGRAM

Total credits for the entire program: **220 credits** (excluding Physical Education and Defense Education courses), distributed as follows:

Program Structure	Credits
General education knowledge	25
Professional education knowledge	114
– Basic disciplinary knowledge	44
– Major and specialized knowledge	56
– Internship, Thesis, Graduation Essay	14
Total	**139**

4. PROGRAM CONTENT

No.	Course	Curriculum Volume (credit)		
		Total	Lecture	Practical
1. General Education Courses				
1	Philosophy	3	3	-
2	Political Economy	2	2	-
3	Scientific Socialism	2	2	-
4	Ho Chi Minh Ideology	2	2	-
5	Vietnamese Communist Party History	2	2	-
6	Basic Informatics	3	2	1
7	Basic English	6	6	-
8	English for Specific Purposes	3	3	-
9	General Law	2	2	-
10	Physical Education*	3*	-	-
11	National Defense and Security Education*	8*	-	-
2. Professional Education Courses				
2.1. Basic Medical Sciences				
1	Probability and Medical Statistics	2	2	-
2	General Chemistry	3	2	1
3	Biochemistry	3	2	1
4	General Physics	3	2	1
5	Medical Physics and Biophysics	3	2	1
6	Biology and Genetics	3	2	1
7	Pharmacology	2	2	-
8	Epidemiology	2	2	-
9	Environment and Health	2	2	-
10	Healthcare Organization and Management	2	2	-
11	Research Methods in Health Sciences	2	2	-
2.2. Specialized Courses				
1	Principles of Medical Imaging Techniques	3	2	1
2	Image Acquisition and Storage	3	2	1
3	Radiation Safety	2	2	-
4	Basic X-ray Imaging Techniques	5	3	2
5	Advanced X-ray Imaging Techniques	3	2	1
6	X-ray Image Anatomy	3	2	1
7	Imaging Symptomatology	3	2	1
8	Basic CT Imaging Techniques	4	2	2
9	Advanced CT Imaging Techniques	3	2	1
10	CT Image Anatomy	3	2	1
11	Basic MRI Techniques	3	2	1
12	Advanced MRI Techniques	3	2	1

No.	Course	Curriculum Volume (credit)		
		Total	Lecture	Practical
13	Ultrasound Techniques	2	1	1
14	Medical Imaging Equipment Maintenance	2	2	-
15	Department Organization and Management	2	2	-
16	Clinical Internship 1: Hospital X-ray	4	-	4
17	Clinical Internship 2: Computed Tomography	4	-	4
18	Clinical Internship 3: Magnetic Resonance Imaging	4	-	4
Graduation Internship and Thesis				
19	Graduation Internship	8	0	4
20	Graduation Thesis	6	2	0
Alternative Courses for Thesis:				
20.1	Nuclear Medicine and Radiotherapy	3	2	1
20.2	Vascular Intervention	3	2	1

Rector **Faculty of Medicine**