

UNDERGRADUATE PROGRAM

*(Issued together with Decision No. /QĐ-ĐHNCT dated / /2025 of
The Rector of Nam Can Tho University)*

- Name of program: International Medical Program
- Level: Undergraduate
- Major: General Medicine
- Code:
- Type of education: Full-time

1. Program description

1.1. Introduction to the program

The International Medical Program at Nam Can Tho University is designed with an application-oriented approach, centered on learner development, and aligned with contemporary trends in international integration within modern medical education.

The primary objective of the program is to train general practitioners who possess a solid foundation in both basic and clinical medical sciences, proficient professional skills, exemplary medical ethics, professional demeanor, and appropriate physical and mental well-being. This is to effectively meet the evolving demands of healthcare services, including disease prevention, health promotion, and patient care, in the context of continuous innovation in the healthcare sector.

The program has been accredited and officially recognized by the Ministry of Education and Training and the Ministry of Health of Vietnam. Furthermore, it adheres to the standards set by the World Federation for Medical Education (WFME), ensuring that graduates are eligible to pursue residency training programs not only in Vietnam but also in the United States and other countries with compatible medical education systems. A distinguishing feature of the program is its emphasis on comprehensive learner development, which includes:

- A thorough understanding of modern medical knowledge, from foundational to clinical sciences
- Competence in clinical practice aligned with international standards
- Critical thinking, research capabilities, and lifelong learning skills
- Professional ethics, humanistic values, and a strong sense of social responsibility

Upon graduation, students are qualified to practice medicine at healthcare institutions both domestically and internationally. They are also well-prepared to

pursue advanced academic training or engage in specialized research in medicine and public health.

1.2. General information about the program

Name of program in Vietnamese	Chương trình Y khoa Quốc tế
Name of program in English	International Medical Program
Program code	
Degree-granting institution)	Nam Can Tho University
Degree	Doctor of Medicine (MD)
Level	Undergraduate
The number of required credits	191
Type of education	Full-time
Program duration	6 years
Eligible candidates for admission	High school graduates
Grading scale	4
Graduation requirements	Accumulate sufficient courses and volume of the training program of 193 credits. Cumulative GPA of the entire course must be 5.0 or higher. Meet the output standards for English proficiency and computer skills according to the university's general regulations.
Job opportunities	General practitioner, resident doctor, researcher, health-care manager, NGO or international-organization medical officer.
Postgraduate study options	Residency, specialist levels, or master's/PhD programs domestically or abroad.
Reference program	USMLE curriculum, Vietnamese national core curriculum, University of Melbourne MD.
Update time	2025

1.3. Program goals

1.3.1. General goals

PO: The training of general practitioners aims to develop individuals with strong medical ethics who possess solid foundational knowledge and skills in medicine, enabling them to identify, propose, and participate in resolving health issues affecting individuals and communities. General practitioners must also be capable of conducting scientific research and engaging in self-directed learning to advance their expertise, thereby meeting the needs of protecting, caring for, and improving the health of the population.

1.3.2. Specific goals

- **PO1:** Apply biomedical and clinical sciences to diagnose and manage prevalent diseases.
- **PO2:** Perform essential clinical procedures and delivery safe, patient-centered care.
- **PO3:** Communicate and collaborate effectively within multidisciplinary teams
- **PO4:** Uphold professionalism, patient safety, and ethical standards
- **PO5:** Develop organizational, operational, and management capabilities in the work environment.
- **PO6:** Establish lifelong self-learning and self-research capabilities in professional fields, thereby contributing to community and global health promotion

1.4. Student learning outcomes

a. Knowledge

- **PLO1:** Explain normal structure and function of the human body and the pathogenesis of common diseases
- **PLO2:** Integrate clinical sciences to diagnose, treat, and prevent common and life-threatening conditions
- **PLO3:** Apply principles of epidemiology and public health to design preventive interventions
- **PLO4:** Analyze health-care systems, policies, and ethics in Vietnamese and global contexts to improve quality of care

b. Skills

- **PLO5:** Obtain comprehensive histories, perform physical examinations, and interpret diagnostic tests to formulate differential diagnoses.
- **PLO6:** Perform core clinical procedures and emergency interventions safely and effectively.
- **PLO7:** Communicate clearly with patients, families, and health-care teams, providing counselling and health education.

c. Capacity for autonomy and responsibility

- **PLO8:** Demonstrate professionalism, empathy, cultural sensitivity, and respect for patient autonomy and confidentiality.

- **PLO9:** Develop lifelong learning capabilities and share expertise with the community and society.

1.5.1. Teaching and learning methods/strategies

The teaching methods are presented in the table below

Methods and forms of teaching	Purpose
Lectures and e-learning	Help students grasp core concepts and current evidence
Presentation	Update new research/topics and promote critical thinking.
Discussion	Develop communication skills, critical thinking, and enhance students' active participation in the learning process.
Assignment	Consolidate knowledge, develop problem-solving skills, and enhance independent working abilities.
Problem-based learning	Develop clinical reasoning and independent learning
Simulation and skills labs	Practice procedure skills and patient-safety principles
Clinical rotations and bedside teaching	Apply knowledge and skills in real patient care
Self-study, reading reference materials	Develop self-learning, self-research skills, and expand professional knowledge.

1.5.2. Grading scale, form, assessment criteria, and weight of scores

No.	Form	%	Assessment criteria	Maximum score
1	Attendance	10	Full attendance, punctuality, pre-test and post-test completion	10
2	Midterm exam	30	Mastery of the mid-course's content, ability to synthesize and apply knowledge to practical situations	10
3	Final exam	60	Mastery of the course's content, ability to synthesize and apply knowledge to practical situations	10

2. Program duration: 6 years

3. Required total credits

Required total credits: 192 credits (excluding the Physical Education and Defense and security education courses), distributed as follows:

KNOWLEDGE	Obligatory knowledge	Elective knowledge	Total
General knowledge	27	0	
Professional knowledge			169
- Foundational biomedical sciences	52		53
- Core and specialized medical sciences	98	4	106
- Graduation clinical examination and thesis defense/theoretical examination	10		10
Total	187	4	191

4. Eligible candidates for admission

Candidates who possess a high-school graduation certificate (domestic or international) or an equivalent diploma and achieved IELTS 5.0, TOEFL 55, or an equivalent English-language score

5. Curriculum, graduation requirements

5.1. Curriculum

Implementation of the undergraduate education regulations of the Ministry of Education and Training and the current education regulations of Nam Can Tho University.

5.2. Graduation requirements

- Students who complete the training program are considered for graduation and recognized as graduates according to **Article 14 of the Undergraduate Education Regulations**, issued with Circular No. 08/2021/TT-BGDĐT dated March 18, 2021, of the Minister of Education and Training.

- Achieve English and information technology proficiency according to the university's general regulations.

6. Program structure

6.1. General knowledge

1. General knowledge				
No.	Subject	Credits		
		Total	Theory	Practice
Foundation courses		27		
1	Marxist-Leninist Principle	3	3	
2	Political economy	2	2	
3	Scientific socialism	2	2	
4	The history of the Vietnamese Communist Party/The ideology of Ho Chi Minh/ Vietnamese history	2	2	
5	Introduction to professionalism	2	1	1

6	Physical education 1,2,3*	3		3
7	Introduction to Informatics	2	1	1
8	Vietnamese 1,2	6	6	
9	Medical English	3	3	
10	Biostatistics	2	2	
2. Professional knowledge				
2.1. Basic medical knowledge		52		
1	Medical Biophysics	2	2	1
2	Chemistry	2	2	
3	Medical Biology	3	2	1
4	Genetics	2	2	
5	Biochemistry	4	3	1
6	Microbiology	3	2	1
7	Histology & Embryology	3	2	1
8	Anatomy	6	4	2
9	Pathological Anatomy	3	2	1
10	Physiology	7	5	2
11	Physiopathology & Immunology	4	3	1
12	Pharmacology - Clinical Pharmacy	2	2	
13	Parasitology	2	1	1
14	Medical Psychology - Medical Ethics	2	2	
15	Epidemiology	2	2	
16	Nutrition & Food Safety	1	1	
17	National healthcare program	1	1	
18	Health & Environment	1	1	
19	Introduction to USMLE step 1	1	1	
20	Healthcare organization and management	1	1	
2.2. Professional knowledge		102		
2.2.1. Compulsory professional knowledge		98		
1	Preclinical Skills 1	2		2
2	Preclinical Skills 2	2		2
3	Practice of pre-clinical skills (at hospital)	1		1
4	Basic Internal Medicine 1 (<i>theory</i>)	1	1	
5	Basic Internal Medicine 1 (<i>clinic</i>)	2		2
6	Basic Internal Medicine 2 (<i>theory</i>)	1	1	
7	Basic Internal Medicine 2 (<i>clinic</i>)	2		2
8	Internal Medicine1- Pathology (<i>theory</i>)	1	1	
9	Internal Medicine1 - Pathology (<i>clinic</i>)	2		2

10	Internal Medicine 2- Pathology (<i>theory</i>)	1	1	
11	Internal Medicine 2- Pathology (<i>clinic</i>)	2		2
12	Internal Medicine 3- Pathology (<i>theory</i>)	2	2	
13	Internal Medicine 3- Pathology (<i>clinic</i>)	2		2
14	Internal Medicine 4- Treatment (<i>theory</i>)	2	2	
15	Internal Medicine 4- Treatment (<i>clinic</i>)	2		2
16	Basic Surgery 1	1	1	
17	Basic Surgery 2	1	1	
18	Surgery 1	2	2	
19	Surgery 2	1	1	
20	Surgery 3	2	2	
21	Practice of Basic Surgery 1	2		2
22	Practice of Basic Surgery 2	2		2
23	Practice of Surgery 1	2		2
24	Practice of Surgery 2	2		2
25	Practice of Surgery 3	2		2
26	Vascular &Thoracic Surgery	1	1	
27	Practice of Vascular &Thoracic Surgery	2		2
28	Obstetrics and Gynecology 1	2	2	
29	Practice of Obstetrics and Gynecology 1	4		4
30	Obstetrics and Gynecology 2	1	1	
31	Practice of Obstetrics and Gynecology 2	2		2
32	Obstetrics and Gynecology 3	1	1	
33	Practice of Obstetrics and Gynecology 3	2		2
34	Pediatrics 1	2	2	
35	Practice of Pediatrics 1	4		4
36	Pediatrics 2	1	1	
37	Practice of Pediatrics 2	2		2
38	Pediatrics 3	1	1	
39	Practice of Pediatrics 3	2		2
40	Infectious Diseases	2	2	
41	Practice of Infectious Diseases	2		2
42	Neurology	2	2	
43	Practice of Neurology	1		1
44	Psychiatry	2	2	
45	Practice of Psychiatry	1		1
46	Oncology	2	2	
47	Practice of Oncology	1		1

48	Diagnostic Imaging	2	1	1
49	Traditional Medicine	1	1	
50	Practice of Traditional Medicine	1		1
51	Physical Rehabilitation	1	1	
52	Practice of Physical Rehabilitation	1		1
53	Introduction to USMLE step 2	1		
54	Family Medicine	1	1	
55	Practice of Family Medicine	2		2
56	Tuberculosis and Pulmonary Diseases	1	1	
57	Practice of Tuberculosis & Pulmonary Diseases	1		1
58	Anesthesia & Critical Care	1	1	
59	Practice of Anesthesia & Critical Care	1		1
60	Medical internship in community	2		2
61	Medical internship abroad	2		2
2.2.2. Electives		4		
Students choose 4 courses (2 Theory + 2 Clinic) from 8 electives				
1	Dermatology & Venereology	1	1	
2	Practice of Dermatology and Venereology	1		1
3	Ophthalmology	1	1	
4	Practice of Ophthalmology	1		1
5	Otorhinolaryngology	1	1	
6	Practice of Otorhinolaryngology	1		1
7	Odontology-Stomatology	1	1	
8	Practice of Odontology-Stomatology	1		1
2.2.3 Graduation assessment		10		
1.1	Graduation theoretical examination or graduation thesis defense	6	6	
1.2	Graduation clinical examination	4		4

7. Tentative teaching plan

7.1. Semester 1

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Introduction to professionalism in Medicine	1	30	0	30	<i>Comp*</i>
2	Chemistry	2	30	30	0	<i>Comp</i>

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
3	Medical Biology	3	60	30	30	<i>Comp</i>
4	Medical Biophysics	2	30	30	0	<i>Comp</i>
5	Vietnamese 1	3	30	30	0	<i>Comp</i>
6	Marxist-Leninist Principle	3	45	45	0	<i>Comp</i>
7	Anatomy 1	3	60	30	30	<i>Pre*</i>
8	Biostatistics	2	30	30	0	<i>Comp</i>
9	Physical education 1	1	30	0	30	<i>Comp</i>
	Total	20				

7.2. Semester 2

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Introduction to USMLE step 2	1	30	15	0	<i>Comp</i>
2	Vietnamese 2	3	30	30	0	<i>Comp</i>
3	Behavior science	2	30	30	0	<i>Comp</i>
4	Medical English	3	45	45	0	<i>Comp</i>
5	Introduction to Informatics	2	45	15	30	<i>Comp</i>
6	Physical education 2	1	30	0	30	<i>Comp</i>
7	Anatomy 2	3	60	30	30	<i>Pre</i>
	Total	15				

7.3. Semester 3

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Preclinical Skills 1	2	60	0	60	<i>Pre</i>
2	Histology & Embryology	2	30	30	0	<i>Comp</i>
3	Histology & Embryology - Practice	1	30	0	30	<i>Comp</i>
4	Microbiology	3	60	30	30	<i>Comp</i>
5	Biochemistry	4	75	45	30	<i>Comp</i>
6	Physiology 1	4	75	45	30	<i>Pre</i>
7	Pathology	3	60	30	30	<i>Comp</i>
	Total	19				

7.4. Semester 4

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Preclinical Skills 2	2	60	0	60	<i>Pre</i>
2	Parasitology	2	45	15	30	<i>Comp</i>
3	Physiology 2	3	60	30	30	<i>Pre</i>
4	Preclinical skills (Practice at hospital)	2	90	0	90	<i>Pre</i>
5	Physical education 3	1	30	0	30	<i>Comp</i>
6	Physiopathology & Immunology	4	75	45	30	<i>Comp</i>
7	Basic Surgery 1 (theory)	1	15	15	0	<i>Pre</i>
8	Basic Surgery 2 (theory)	1	15	15	0	<i>Pre</i>
9	Basic Internal Medicine 1 (theory)	1	15	15	0	<i>Pre</i>
10	Basic Internal Medicine 2 (theory)	1	15	15	0	<i>Pre</i>
	Total	18				

7.5. Semester 5

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Basic Internal Medicine 1 (clinic)	2	90	0	90	<i>Pre</i>
2	Basic Internal Medicine 2 (clinic)	2	90	0	90	<i>Pre</i>
3	Basic Surgery 1 - Practice	2	90	0	90	<i>Comp</i>
4	Basic Surgery 2 - Practice	2	90	0	90	<i>Comp</i>
5	Diagnostic Imaging	1	15	15	0	<i>Comp</i>
6	Diagnostic Imaging - Practice	1	30	0	30	<i>Comp</i>
7	Political economy	2	30	30	0	<i>Comp</i>
8	Medical Psychology - Medical Ethics	2	30	30	0	<i>Comp</i>
9	Health & Environment	1	15	15	0	<i>Comp</i>
	Total	15				

7.6. Semester 6

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Pharmacology - Clinical Pharmacy	4	75	45	30	<i>Comp</i>

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
2	Nutrition & Food Safety	1	15	15	0	Comp
3	Internal Medicine 1- Pathology (<i>theory</i>)	1	15	15	0	Comp
4	Internal Medicine 2- Pathology (<i>theory</i>)	1	15	15	0	Comp
5	Surgery 1 (<i>theory</i>)	2	30	30	0	Comp
6	Surgery 2(<i>theory</i>)	1	15	15	0	Comp
7	Epidemiology	2	30	30	0	Comp
8	The history of Vietnamese Communist Party/The ideology of Ho Chi Minh/ Vietnamese history	2	30	30	0	Comp
9	Medical internship in community	2	60	0	60	Comp
	Total	16				

7.7. Semester 7

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Internal Medicine 1 - Pathology (<i>clinic</i>)	2	90	0	90	Comp
2	Internal Medicine 2 - Pathology (<i>clinic</i>)	2	90	0	90	Comp
3	Practice of Surgery 1	2	90	0	90	Comp
4	Practice of Surgery 2	2	90	0	90	Comp
5	Pediatrics 1	2	30	30	0	Comp
6	Practice of Pediatrics 1	4	180	0	180	Comp
7	Scientific socialism	2	30	30	0	Comp
8	Traditional Medicine	1	15	15	0	Comp
9	Genetics	2	30	30	0	Comp
	Total	19				

7.8. Semester 8

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Obstetrics and Gynecology 1	6	210	30	180	Comp
3	Infectious Diseases	2	30	30	0	Comp
4	Neurology	2	30	30	0	Comp
5	Oncology	2	30	30	0	Comp

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
6	Psychiatry	2	30	30	0	Comp
7	Physical Rehabilitation	1	15	15	0	Comp
8	Vascular & Thoracic Surgery	1	15	15	0	Comp
9	Healthcare organization and management	1	15	15	0	Comp
	Total	13				

7.9. Semester 9

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Practice of Infectious Diseases	2	60	0	90	Comp
2	Practice of Neurology	1	45	0	45	Comp
3	Practice of Psychiatry	1	45	0	45	Comp
4	Practice of Oncology	1	45	0	45	Comp
5	Practice of Traditional Medicine	1	30	0	45	Comp
6	Practice of Physical Rehabilitation	1	30	0	45	Comp
7	Practice of Vascular & Thoracic Surgery	1	30	0	45	Comp
Students choose 2 courses from 4 electives		4	120	30	90	Ele*
1	Dermatology	2	60	15	45	Ele
2	Ophthalmology	2	60	15	45	Ele
3	Odontology-Stomatology	2	60	15	45	Ele
4	Practice of Otorhinolaryngology	2	60	15	45	Ele
	Total	12		0	45	

7.10. Semester 10

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Introduction to USMLE step 2	1	30	15	0	Comp
2	Tuberculosis	2	60	15	45	Comp
3	Anesthesiology and Postoperative Care	2	60	15	45	Comp
4	Internal Medicine 3-Pathology (theory)	2	30	30	0	Comp

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
5	Internal Medicine 4-Treatment (<i>theory</i>)	2	30	30	0	<i>Comp</i>
6	Surgery 3	2	30	30	0	<i>Comp</i>
7	Pediatrics 2	1	15	15	0	<i>Comp</i>
8	Pediatrics 3	1	15	15	0	<i>Comp</i>
9	Obstetrics and Gynecology 2	1	15	15	0	<i>Comp</i>
10	Obstetrics and Gynecology 3	1	15	15	0	<i>Comp</i>
11	Medical internship abroad	2	60	0	60	<i>Ele</i>
	Total	17				

7.11. Semester 11

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Internal Medicine 3-Pathology (<i>clinic</i>)	2	90	0	90	<i>Comp</i>
2	Practice of Surgery 3	2	90	0	90	<i>Comp</i>
3	Practice of Obstetrics and Gynecology 2	2	90	0	90	<i>Comp</i>
4	Practice of Pediatrics 2	2	90	0	90	<i>Comp</i>
5	Internal Medicine 4-Treatment (<i>clinic</i>)	2	90	0	90	<i>Comp</i>
6	Practice of Obstetrics and Gynecology 3	2	90	0	90	<i>Comp</i>
7	Practice of Pediatrics 3	2	90	0	90	<i>Comp</i>
	Total	14				

7.12. Semester 12

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
1	Family Medicine	1	14	15	0	<i>Comp</i>
2	Practice of Family Medicine	2	60	0	60	<i>Comp</i>
3	Graduation clinical examinations	4	90	0	90	<i>Comp</i>
4	Graduation theoretical examinations or graduation thesis defense**	6	45	15	30	<i>Comp</i>

No.	Course name	Number of credits	Total period	Class periods		Category
				Theory	Practice	
	Total	13				

(*) *Comp*: Compulsory course; *Ele*: Elective course; *Pre*: Prerequisite course

(**) *If students do not meet the requirements to complete their graduation thesis, they will take alternative courses and take graduation theoretical examinations*

8. Guidelines for Program Implementation

8.1 Faculties and departments

- The faculty is responsible for reviewing and compiling detailed syllabi for foundation, core, and specialized courses according to the credit requirements of this program. It provides a list of textbooks, lectures, and reference materials for all courses to the University Library and keeps records at the Faculty Office. At the beginning of each semester, it collaborates with other university units to implement the training plan according to schedule.

- Assign lecturers with at least a master's degree (in the same or related field) to teach theoretical courses and provide detailed course syllabi to ensure alignment with the university's general teaching plan.

- Academic advisors must thoroughly understand the entire credit-based curriculum to guide students in course registration.

8.2 Lecturers

- When assigned to teach one or more courses, lecturers must carefully study the detailed course syllabi to prepare appropriate lectures and teaching materials.

- Lecturers must prepare comprehensive lectures, textbooks, and learning materials and provide them to students before classes.

- Organize seminars, emphasize group learning, and guide students in writing essays and projects. Lecturers determine teaching methods including classroom presentations, discussion facilitation, problem-solving in classrooms and labs, and guiding students in writing reports.

- Focus on developing students' self-learning and self-research abilities throughout the teaching process and during internships and practical work.

- Pay attention to the logical sequence of knowledge delivery and acquisition, stipulate prerequisite courses for compulsory courses, and prepare lecturers to meet the teaching requirements for elective courses.

8.3 Students

- Must consult academic advisors to select appropriate courses for their progress. Must study lessons before class to better absorb lectures. Must ensure full class attendance to receive instruction from lecturers. Be self-disciplined in self-study and research, while actively participating in group learning and attending all seminars.

- Proactively utilize online resources and the university library for self-study, research, and graduation projects. Strictly comply with examination, testing, and assessment regulations.

- Regularly participate in organization activities, cultural, sports, and artistic events to develop communication skills and enhance understanding of society and people.

8.4 Facilities and equipment for teaching, practice, and internships

- System of lecture rooms equipped with lecture-capture, interactive smart boards, high-luminosity projectors, and mobile anatomy models (skeletons, organ sets) to support case-based and team-based learning.

- Integrated medical library & e-resource hub offering quiet and collaborative study zones, 24/7 access to databases such as PubMed, ClinicalKey, Cochrane Library, and JAMA Network, plus high-speed scanners for article digitization and a VR anatomy kiosk.

- Basic-science laboratories (biochemistry, physiology, pharmacology, microbiology) fitted with biosafety cabinets, spectrophotometers, PCR workstations, and digital microscopes linked to overhead monitors for real-time demonstrations.

- Anatomy & pathology laboratories combining traditional cadaveric dissection tables with plastinated specimens, whole-slide digital pathology stations, and 3-D virtual dissection tables to accommodate diverse learning modalities.

- Clinical-skills & simulation center featuring high-fidelity adult and pediatric mannequins, standardized-patient suites, OSCE examination rooms with video capture, and bedside ultrasound units for core procedural training.

- Affiliated teaching-hospital wards & specialty clinics providing dedicated tutorial rooms, on-site faculty offices, and point-of-care ultrasound carts to support clerkships in internal medicine, surgery, pediatrics, obstetrics-gynecology, psychiatry, and emergency medicine.

RECTOR

**DEPARTMENT OF
ACADEMIC AFFAIRS**

FACULTY