

UNDERGRADUATE PROGRAM

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

Name of program: NURSING

Level: Bachelor's degree

Major: Bachelor of Science in Nursing

Code: 7720301

Type of education: Full-time

1. Program description

1.1. Introduction to the program

The Bachelor's program in Nursing is designed to equip students with a foundation in basic sciences, foundational nursing knowledge, and advanced clinical competencies in caring for adults with disorders of the nervous, cardiovascular, respiratory, gastrointestinal, urinary, musculoskeletal, and endocrine systems. In addition to academic knowledge, students are trained in essential soft skills such as comprehensive patient care, communication, teamwork, clinical decision-making, and effective interdisciplinary collaboration.

Upon graduation, nursing professionals have diverse career opportunities in both public and private healthcare settings, including clinical nursing, community health nursing, nursing administration, teaching, and scientific research. Furthermore, they may pursue advanced degrees such as Master's and Doctoral programs in Nursing, thereby expanding their professional scope and contributing more significantly to modern healthcare.

1.2. General information about the program

Name of program in English	NURSING
Program code	7720301
Degree-granting institution	Nam Can Tho University
Degree	Bachelor of Science in Nursing
Level	Bachelor's degree

The number of required credits	135 credits, excluding the Physical Education and Defense and security education courses
Type of education	Full - time
Program duration	4 years
Eligible candidates for admission	High school graduates, including Vietnamese and international students, are required to have English proficiency equivalent to level B1 or an IELTS score of 4.5 or higher, or hold a Bachelor's degree in English (for Vietnamese students), or possess a valid equivalent international English certificate.
Grading scale	According to the current regulations on formal university training according to the credit system of the University.
Graduation requirements	<p>According to the regulations of the Viet Nam Ministry of Education and Training and the university:</p> <ul style="list-style-type: none"> + Accumulate the required courses and academic credits as stipulated in the training program; achieve a cumulative GPA of 5.0 or higher (on a 10-point scale) for the entire course. + English proficiency (IELTS 5.5 or higher) or hold a bachelor's degree in English (for Vietnamese students) + Information Technology skills, soft skills, and professional competencies. - Must have passed in the final practical examination
Job opportunities	- Hospitals and medical facilities; universities, colleges, and vocational schools offering nursing training; nursing

	homes, rehabilitation centers, or home care services (domestically and internationally).
Postgraduate study options	- Pursue postgraduate studies in Nursing, such as specialization programs, master's or doctoral degrees, at universities per the Ministry of Education and Training regulations.
Reference program	- Can Tho University of Medicine and Pharmacy - Ho Chi Minh City University of Medicine and Pharmacy - Huế University of Medicine and Pharmacy
Update time	2025

1.3. Program goals

1.3.1. General goals

PO: Training international professional nurses with adequate knowledge, skills, ethical qualities, and global integration capacity. Learners are equipped with scientific knowledge and evidence-based nursing practice competence, enabling them to assess, plan, implement, and manage comprehensive healthcare for individuals, families, and communities. They are expected to comply with legal and ethical standards, work independently and in teams, pursue lifelong learning, and Adapt to multicultural and internationally integrated healthcare environments.

Specific goals

PO1. Master of foundational and professional knowledge in healthcare, including social sciences, basic medical sciences, nursing science, and applied behavioral sciences.

PO2. Develop professional nursing practice skills, with the ability to provide comprehensive, patient-centered care by applying the nursing process and evidence-based practice in clinical settings.

PO3. Enhance scientific research capacity, critical thinking, and the ability to update and innovate in healthcare, thereby contributing to the improvement of nursing service quality both nationally and internationally.

PO4. Apply soft skills, communication competencies, and English language proficiency to support professional practice, lifelong learning, and effective work in a globalized healthcare environment.

PO5. Foster appropriate professional attitudes, emphasizing nursing ethics, respect for cultural diversity, and responsible conduct toward patients, communities, and the profession.

1.5 Teaching and learning methods/strategies and assessment methods

1.5.1 Teaching and learning methods/strategies

The teaching methods are presented in the table below

Methods and form of teaching	Purpose
Presentation	Convey a comprehensive body of foundational and advanced knowledge, along with nursing theoretical frameworks, to students.
Discussion	Its primary goal is to foster critical thinking, reasoning skills, communication abilities, and teamwork among students.
Assignment	Students not only reinforce previously acquired knowledge but also learn to view issues from multiple perspectives, thereby enhancing their ability to solve problems flexibly and creatively. This method also allows instructors to gauge students' understanding and learning needs, enabling timely adjustments in teaching strategies.
Self-study, reading of reference materials	Students take the initiative in accessing, expanding, and deepening their knowledge beyond classroom lectures. It also provides an opportunity to strengthen skills in information searching, filtering, analyzing, and connecting theoretical knowledge with practical applications.
Clinical Practice and Hospital Internship	Aimed at enhancing students' proactiveness, critical thinking, communication and collaboration skills, adaptability to real working environments, and practical

	<p>problem-solving abilities. Teaching and assessment methods include</p> <p>Procedure-based technical instruction using checklists: Students are guided to perform nursing techniques following standardized procedures and evaluated using checklists.</p> <p>Clinical simulation (OSCE): Using simulated patient models, standardized patients, care procedures, or emergency scenarios, students practice in a safe yet realistic environment.</p> <p>Case-based learning: Students analyze specific and multidimensional nursing cases (clinical, ethical, communicative, etc.) to learn how to make appropriate nursing decisions, balancing professional standards with human factors.</p>
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1.5.2 Grading scale, form, assessment criteria, and weight of scores

No.	Form	%	Assessment criteria	Maximum score
1	Attendance	10	Mandatory class attendance, with absences not exceeding 10% of total hours. Points are deducted based on the proportion of absences as determined by the lecturer.	10
2	Individual assignment	15	Assess the level of active participation activities such as individual assignments, group assignments, thematic reports, and expressing opinions on lesson content.	10
3	Progress assessment)	15	The total score of the course assessments is based on the evaluation of students' mastery of the	10

			course content through quizzes or midterm exams.	
4	Final exam	60	Final exam scores	10

2. Program duration: 4 years

3. Required total credits

Required total credits: 135 credits (excluding the Physical Education), distributed as follows:

Knowledge	Obligatory knowledge	Elective knowledge	Total
General knowledge	47		47
Professional knowledge	73	15	88
- Fundamental knowledge	20		20
- Specialized knowledge	50	9	59
- Graduation internship	3		3
- Graduation thesis/Alternative courses		6	6
Total			135

4. Eligible candidates for admission

High school graduates, including Vietnamese and international students, are required to have English proficiency equivalent to level B1 or an IELTS score of 4.5 or higher, or hold a Bachelor's degree in English (for Vietnamese students), or possess a valid equivalent international English certificate.

5. Curriculum, graduation requirements

5.1. Curriculum

According to the regulation of the Viet Nam Ministry of Education and Training, School.

5.2. Graduation requirements

According to regulations of the Viet Nam Ministry of Education and Training; School.

6. Program structure

6.1. General knowledge

No .	Course code	Course name	Number of credits	Theory	Practice	Category
A	Political theory					
	0102000889	Marxist-Leninist philosophy	3	3		
	0102000641	Political Economy	2	2		
	0102000900	Ho Chi Minh's Thought	2	2		
	0101000869	History of the Communist Party of Vietnam	2	2		
	0102000890	Science socialism	2	2		
B	Foreign languages					
	0101001536	Medical English 1	3	3		
	0101001537	Medical English 2	3	3		
	0101001538	Medical English 3	3	3		
	0101001539	Medical English 4	3	3		
	0101001532	Basis Vietnamese language	3	3		
	0101001545	Medical Vietnamese language	3	3		
C	Mathematics - Information Technology - Natural Sciences					
	0101000896	Basic information	3	2	1	
	0101000884	Transformation	2			
	0101000849	Application of Artificial Intelligence (AI)	2			
	0101001145	Probability – Medical statistics	2	2		
	0101000256	General Chemistry	2	2		
	0101000534	Biology and Genetics	2	2		
	0101001143	Physics and Biophysics	3	2	1	
	0101002377	Scientific research	2	2		
E	Physical education					
	0101000872	Physical Education-Swimming	1		1	
	0101000873	Physical education -Volleyball	1		1	

No.	Course code	Course name	Number of credits	Theory	Practice	Category
	0101000874	Physical education -Soccer	1		1	

(*) Prerequisite courses, not included in the cumulative GPA calculation

6.2. Professional knowledge

No.	Course code	Course name	Number of credits	Theory	Practic	Category
Fundamental knowledge						
23.	0101002680	Anatomy- Physiology	4	2	2	
24.	0101002683	Histology	1	1	1	
25.	0101000485	Biochemistry	2	2		
26.	0101000568	Microbiology and Parasitology	2	2		
27.	0101002682	Basic Immunity	1	1		
28.	0101000456	Pharmacology	2	2		
29.	0101002680	Health - Improve human health and behavior	1	1		
30.	0101001154	Abstinence nutrition	1	1		
31.	0101002677	Epidemiology and Environment of Health	2	2		
32.	0101001147	Healthcare organization	1	1		
33.	0101000572	Traditional medicine	2	1	1	
34.	0101001147	Medical Ethics Psychology	1	1		
Specialized knowledge						
35.	0101001239	Communication skills and Health education in nursing practice	2	1	1	
36.	0101000456	Fundamental nursing 1	3	2	1	
37.	0101000457	Fundamental nursing 2	3	1	2	
38.	0101001567	Fundamental nursing clinical practice	2		2	Clinical practice
39.	0101001467	Infection control in nursing practice	2	1	1	Clinical practice

No.	Course code	Course name	Number of credits	Theory	Practic	Category
40.	0101000536	Health care for adults with respiratory conditions	2	2		
41.	0101001064	Health care for adults with digestive conditions	2	2		
42.	0101000505	Clinical Practicum: Adult Health Care in Urology and Musculoskeletal Conditions	2		2	Clinical practice
43.	0101001375	Health care for adults with cardiovascular conditions	2	2		
44.	0101000545	Health care for adults with endocrine conditions	1	1		
45.	0101001568	Health care for adults with urinary urology conditions	2	2		
46.	0101001569	Health care for adults with musculoskeletal conditions	1	1		
47.	0101001570	Clinical Practicum: Adult Health Care in Urology and Musculoskeletal Conditions	2		2	Clinical practice
48.	0101001571	Clinical Practicum: Adult Health Care in Cardiology – Endocrinology conditions	3		3	Clinical practice
49.	0101000437	Emergency and intensive care patient care	1	1		
50.		Clinical Practicum: Emergency and Critical care nursing	2		2	Clinical practice
51.	0101000435	Health care for women, mothers and families	4	2	2	Clinical practice

No.	Course code	Course name	Number of credits	Theory	Practic	Category
52.	0101001148	Child Health Nursing I	2	2		
53.		Clinical Practicum: Child Health Nursing I	1		1	Clinical practice
54.	0101000559	Child Health Nursing II	2	2		
55.		Clinical Practicum: Child Health Nursing II	1		1	Clinical practice
56.	0101001373	Mental health care	2	1	1	Clinical practice
57.	0101001374	Caring for people in need of rehabilitation	2	1	1	Clinical practice
58.	0101001376	Community health care	2	1	1	Communication practice
59.	0101001377	Nursing Management	2	1	1	
Elective course of specialized knowledge						
60.	0101001378	Specialized Nursing in Dermatology	2	1	1	Clinical practice
61.		Specialized Nursing in Tuberculosis	2	1	1	Clinical practice
62.		Specialized Nursing in Neurology	2	1	1	Clinical practice
63.	0101001475	Health care for people with infectious diseases	2	1	1	Clinical practice
64.	0101001473	Health care for the elderly	1	1		
Graduation internship						
65.	0101001483	Graduation Internship	3		3	Clinical Practice/Healthcare Center
Graduation thesis/Alternative courses						
66.	0101001572	Graduate dissertation	6			
		Final exam				
Alternative courses						

No.	Course code	Course name	Number of credits	Theory	Practic	Category
67.	0101001487	Operating nursing	3	1	2	Clinical practice
68.	0101000437	Palliative care	3	2	1	Clinical practice
69.	0101000438	Dental Nursing	3	1	2	Clinical practice
70.	0101000439	Aesthetic Nursing	3	1	2	Clinical practice
71.	0101000440	Dialysis Nursing	3	1	2	Clinical practice
72.	0101000441	Other Foreign Languages (Japanese)	3	3		

7. Tentative teaching plan

7.1. Semester 1

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	General chemistry	2	30	30		
2	Mac-Lenin Philosophy	3	45	45		
3	Medical English 1	3	45	45		
4	Physical Education-Swimming	1	30		30	
5	Physics and Biophysics	2	30		30	
6	Physics and Biophysics: practice	1	30		30	
7	Physical education -Volleyball	1	30		30	
	Total	13				

7.2. Semester 2

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Digital Transformation	2	30	30		

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
2	Generative Artificial Intelligence Application	2	45	15	30	
3	Biology and Genetics	2	30	30		
4	Medical English 2	3	45	45		
5	Physical education -Soccer	1	30		30	
6	Basic information	3	45	15	30	
	Total	13				

7.3. Semester 3

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Anatomy- Physiology	2	30	30		
2	Anatomy- Physiology (Practice)	2	60		60	
3	Histology	1	15	15		
4	Political Economy	2	30	30		
5	Biochemistry	2	30	30		
6	Pharmacology	2	30	30		
7	Microbiology and Parasitology	2	30	30		
	Total	13				

7.4. Semester 4

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Medical Ethics psychology	1	15	15		
2	Basis Vietnamese language	3	45	45		

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
3	Fundamental nursing 1	3	60	30	30	
4	Healthcare organization	1	15	15		
5	Basic Immunity	1	15	15		
6	Communication skills and Health education in nursing practice	2	45	15	30	
6	History of the Communist Party of Vietnam Culture's Vietnamese	2	30	30		
	Total	13				

7.5. Semester 5

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Fundamental nursing II	3	75	15	60	
2	Fundamental nursing clinical practice	2	90		90	Clinical practice
3	Infection control in nursing practice	1	15	15		
4	Infection control in nursing practice	1	45		45	Clinical practice
5	Medical Vietnamese language	3		45		
6	Ho Chi Minh's ideology	2		30		
	Total	12				

7.6. Semester 6

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Health care for adults with respiratory conditions	2	30	30		
2	Science socialism	2	30	30		
3	Health care for adults with digestive conditions	2		30		
4	Medical English 3	3	45	45		
5	Clinical Practicum: Adult Health Care in Urology and Musculoskeletal Conditions	2	90		90	Clinical practice
	Total	11				

7.7. Semester 7

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Health care for adults with musculoskeletal conditions	1	15	15		
2	Health care for adults with endocrine conditions	1	15	15		
3	Health care for adults with cardiovascular conditions	2	30	30		
4	Health - Improve human health and behavior	1	15	15		

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
5	Health care for adults with urinary urology conditions	2	30	30		
6	Child Health Nursing I	1	15	15		
7	Clinical Practicum: Child Health Nursing I	1	45		45	Clinical practice
8	Child Health Nursing II	2	30	30		
9	Clinical Practicum: Child Health Nursing II	1	45		45	Clinical practice
	Total	12				

7.8. Semester 8

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Health care for women, mothers and families	2	30	30		
2	Health care for women, mothers and families	2	90		90	Clinical practice
3	Clinical Practicum: Adult Health Care in Urology and Musculoskeletal Conditions	2	90		90	Clinical practice
4	Clinical Practicum: Adult Health Care in Cardiology – Endocrinology conditions	3	135		135	Clinical practice

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
5	Emergency and intensive care patient care	1	45	15	30	
6	Clinical Practicum: Emergency and Critical Care Nursing	1	45	15	30	Clinical practice
7	Health care for the elderly	1	15	15		
	Total	12				

7.9. Semester 9

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Probability – Medical statistics	2	30	30		
2	Medical English 4	3	45	45		
3	Health care for people with infectious diseases	1	15	15		
4	Health care for people with infectious diseases	1	45		45	Clinical practice
5	Abstinence nutrition	1	15	15		
6	Nursing management	2	30	30		
7	Scientific research	2	30	30		
	Total	12				

7.10. Semester 10

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Caring for people in need of rehabilitation	2	60	15	45	Clinical practice

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
2	Entrepreneurship Guidance	2	30	30		
3	Traditional medicine	2	60	15	45	Clinical practice
4	Mental health care	2	60	15	45	Clinical practice
5	Epidemiology and Environment of Health	2	30	30		
	Total	10				

7.11. Semester 11

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Community health care	2	60	15	45	Communication practice
2	Specialized Nursing in Dermatology	2	60	15	45	Clinical practice
3	Specialized Nursing in Tuberculosis	2	60	15	45	Clinical practice
4	Specialized Nursing in Neurology	2	60	15	45	Clinical practice
	Total	8				

7.12. Semester 12

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Pre-graduation clinical practice	3	135		135	Clinical Practice/Healthcare Center

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
2	Graduation dissertation	6	90	90		
	Final exam					
	Total	9				

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

No.	Course name	Number of credits	Total periods	Class periods		Category
				Theory	Practice	
1	Operating nursing	3	45	15	30	Clinical practice
2	Palliative care	3	45	15	30	Clinical practice
3	Dental Nursing	3	45	15	30	Clinical practice
4	Aesthetic Nursing	3	45	15	30	Clinical practice
5	Dialysis Nursing	3	45	15	30	Clinical practice
6	Other Foreign Languages (Japanese)	3	45	45		

8. Guidelines for Program Implementation

8.1 Faculties and departments

Based on the minimum required volume and content of knowledge specified for the training program, the Faculty of Nursing plans the number of course modules for each academic year and each semester (see appendix).

The department in charge of academic management is responsible for reviewing and leading the development of detailed syllabi for subjects within the fundamental and specialized knowledge areas, in accordance with the credit requirements of the training program. Revisions or updates are made every two years.

Lecturers with a master's degree or higher in the same or a related field are assigned to teach theoretical lessons, practical sessions, and hospital internships. They are provided with detailed course syllabi to ensure alignment with the university's overall teaching plan.

8.2 Lecturers

- Lecturers must hold at least a Master's degree, with at least 30% having international experience or foreign qualifications. And pedagogical competence, teaching methodology.
- Exhibits professional ethics and a strong sense of responsibility.
- Lecturers must fully prepare the curriculum/lectures and learning materials, and provide them to students before the start of the course.
- Organize learning sessions that encourage active student participation, such as seminars, group discussions, and problem-solving activities.
- Organize practical training: Guide students through safe and technically correct nursing procedures using checklists before performing them on patients. Teach OSCE (Objective Structured Clinical Examination) to develop competency in specific areas of clinical practice.
- Lecturers need to stay updated with professional knowledge and clinical expertise relevant to their teaching content, and continually innovate teaching methods to enhance effectiveness.

8.3 Students

To earn one credit, students must spend at least 30 hours on mandatory self-study under the guidance of the lecturer. The distribution of self-study hours is as follows: approximately one-third for individual study, one-third for using the library and internet resources, and one-third for group study.

Course registration for each semester must meet the prerequisites, prior courses, corequisites of each course, and follow the specific learning sequence of the academic program.

Practice and clinical exposure are compulsory components that students must attend for 100% of the scheduled hours, and serve as a prerequisite for sitting theoretical examinations (if applicable). The organization of these activities and the assessment criteria are implemented in accordance with the detailed syllabus of each module and are communicated to students at the commencement of the module.

+ Laboratory Internship

+ Clinical Practice: Conducted primarily for modules within the professional knowledge block at the university's affiliated teaching hospitals.

+ Field Training in the Community and at Healthcare Facilities: Tentatively scheduled for the end of the third academic year, after students have completed courses in basic medical sciences, pre-clinical medicine, foundational professional modules, and several specialized subjects.

8.4 Facilities and equipment for teaching, practice, and internships

Lecture Halls

Fully equipped with audio systems, projectors, interactive whiteboards, and internet connectivity to support multimedia teaching.

Classrooms are well-lit, ventilated, and appropriately sized to accommodate student cohorts.

Nursing Skills Laboratories

- Pre-clinical nursing skills labs are organized by thematic areas (basic care, emergency care, maternity care, children care, medical-surgical nursing, etc.).

- Equipped with hospital beds, mannequins (patient simulators), medical instruments such as sphygmomanometers, thermometers, stethoscopes, syringes, sterile instrument sets, IV infusion sets, suction devices, and simulated ventilators.

- Monitoring and evaluation of student performance are supported by camera systems and display monitors.

RECTOR

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