

In the Name of God

**Islamic Republic of Iran
Ministry of Health and Medical Education
Deputy Minister of Education**

**Master's Combined Degree
In Medical Surgical Nursing Department**

Total Course Credits:

General Courses: 4.5

Basic Courses: 12.5

Elective Courses (non core): 6

Core Courses: 22

Clinical practice: 4 (core) and 3 (non core) courses

Clinical internship: 2

Thesis: 4

Total: 32

Course duration:

Maximum 3 years

Program Description:

Medical-Surgical Nursing is a branch of nursing in which the health and disease of adult clients are of the main concern. Graduates of this program can act more effectively in hospitals as well as other communities to prevent diseases and provide care.

Graduates of this field, using an evidence-based, client-centered, comprehensive, and community-oriented approach, relying on the principles of ethics and human communication, identify clients' needs in various dimensions and provide specialized care services at three levels of prevention(prevention to rehabilitation) .in order to maintain and promote health and provide efficient care in case of diseases or accidents.

It is a valuable experience to perform the program in Islamic Republic of Iran. The curriculum, updated in recent years, would be well-matched with ever-changing needs of developing countries and newly-emerging diseases around the globe.

Introduction:

The current program has been developed in accordance with recent scientific advances and in line with the needs of society. In developing this program, an effort has been made to maintain the generality of nursing care and develop professional ethics, while educating students who will provide competent and quality services to society in the field of nursing activities.

Admission Requirements:

- Having a bachelor's degree (BSc) in nursing
- Meeting admission requirements of universities (assessing CV and interview for international applicants)

Roles of Graduates in Society:

Graduates of this field can play a role in society in the following positions:

- Hospitals
- Home nursing care and counseling centers
- Palliative care centers
- Pre-hospital emergency rooms
- Adult care centers and nursing homes

The Aims of the Course:

- Provide specialized nursing care based on the nursing process.
- Collaborate and participate in research programs.
- In an educational role, they are responsible for planning, implementing, and evaluating the education of learners (colleagues, clients, and families).
- Participate in the development of policies related to the promotion of adult health.

Expected Competencies at the End of the Program:

General Competencies¹:

- Establishing ethical communication with clients, families, health teams, and managers
- Applying critical thinking to client care planning and providing suggestions to improve various aspects of the health system
- Applying and participating in evidence-based management
- Designing and implementing required research and using its results in care planning
- Designing and implementing staff programs and training staff
- Planning and providing care based on the nursing model
- Problem solving
- professionalism
- Critical thinking

Specific Competencies and Skills:

- Diagnostic skills (refers to identifying problems that the nurse is able to solve in her field of activity)
- Care
- Prevention
- Consultation
- Entrepreneurship
- Management

1. General competencies expected of the graduates such as communication skills, critical thinking & problem-solving skills, professionalism

-Palliative care

Skills:

-Gavage/ Lavage

-Care in patient under liver biopsy, paracentesis, stoma like colostomy, Parenteral nutrition, cardiac rehabilitation, chest tube, chest physiotherapy, radiation therapy, hemotherapy, Mechanical ventilation, plasmapheresis, IV-IG therapy, Monitoring intra cranial pressure, Invasive blood pressure, Physical examination in different systems...

Educational Strategies¹, Teaching & Learning Methods² (aligned with the expected competencies):

-Problem based education

-Task based education

-Subject based education

-Hospital based education

-Evidence based education

-Presentation case

-Self education/ self-study

-Morning reports

-Simulation

-Small Group discussion

-Journal club

Student Assessment Types and Methods (aligned with the expected competencies):

Formative Assessment³:

Oral / Written test

Direct Observation of procedural Skills (DOPS)

Mini-CEX

Computer interactive examination

Summative Assessment⁴:

-OSCE/ OSPE/ OSFE

-360-degree feedback

-Port Folio

-Log book

1. Educational Strategies such as Problem-Based Education, Discipline-Based Education, Hospital- Based Education, Community-Based Education, Electives, Student-Centered Education, etc.

2. Teaching & Learning Methods such as Interactive Lecture (questions and answers, group discussions, etc.), Small Group Discussion, Role Play, Guided Discovery Learning, Team-Based Learning (TBL), Problem-Based Learning (PBL), Case-Based Learning, Peer Education, etc.

The overall structure of the course:

General Courses/ Compensatory Courses (4.5 Credits)

Code	Course Title	Course Credits			Credit Hours			Prerequisite
		Total	Theoretical	Practical	Total	Theoretical	Practical	
01	Medical informatics systems	1.5	1	0.5	34	17	17	-
02	Advanced Statistics in Medical Sciences Research	1.5	1	0.5	34	17	17	-
03	Nursing ethics and professional relations	1.5	1	0.5	34	17	17	-
Total		4.5						

Basic Courses/ Compensatory Courses (... Credits)

Code	Course Title	Course Credits			Credit Hours			Prerequisite
		Total	Theoretical	Practical	Total	Theoretical	Practical	
04	Advance Research Method	2.5	20.5		34	17	17	02
05	Nursing Theories and patterns and application of them	2	1.5	0.5	43	26	17	-
06	Nursing service management in clinical departments	1	0.5	0.5	26	17	9	05
07	Clinical patient education	2	1.5	0.5	43	26	17	-

08	Clinical Nursing Pharmacology	1.5	1.5		26	26		-
09	Pathophysiology	1.5	1.5		26	26		08
10	Advance physical examination methods	2	1		68	17		-
Total		12.5						

Elective Courses/ Compensatory Courses (... Credits)

Specialized course	Code	Course Title	Course Credits			Credit Hours			Prerequisites
			Total	Theoretical	Clinical practice	Total	Theoretical	Clinical practice	
Advance Nursing in Cardiovascular Disorders	17	Advance Nursing in Cardiovascular disorders (1)	3	1.5	1.5	103	26	77	08,09,10
	18	Advance Nursing in Cardiovascular disorders (2)	3	1.5	1.5	103	26	77	08,09,10
Total			6	3	3	206	52	154	
Lung advance Nursing	19	Advance Nursing in respiratory disorders (1) (hypoxemic)	3	1.5	1.5	103	26	77	08,09,10
	20	Advance Nursing in respiratory disorders (2) (hypercapnic)	3	1.5	1.5	103	26	77	08,09,10
Total			6	3	3	206	52	154	

Advance Nursing in GI, Liver, Biliary duct and Pancreas	21	Advance Nursing in Gastrointestinal Track disorders	3	1.5	1.5	103	26	77	08,09,10
	22	Advance Nursing in Liver, biliary duct and pancreatic exogenous disorders	3	1.5	.5	103	26	77	08,09,10
Total			6	3	3	206	52	154	
Advance Nursing in Endocrine and Diabetes	23	Advance Nursing in Endocrine disorders	3	1.5	1.5	103	26	77	08,09,10
	24	Diabetes Nursing	3	1.5	1.5	103	26	77	08,09,10
Total			6	3	3	206	52	154	
Kidney, Urogenital ducts Advance Nursing	25	Advance Nursing in Functional Kidney disorder (Nephrology)	3	1.5	1.5	103	26	77	08,09,10
	26	Advance Nursing in Kidney, Urogenital track (Urology)	3	1.5	1.5	103	26	77	08,09,10
Total			6	3	3	206	52	154	

Core Courses (... Credits)

Code	Course Title	Course Credits			Credit Hours			Prerequisite
		Total	Theoretical	Practical	Total	Theoretical	Practical	
11	Care of adults with acute and	3	1.5		103	26		08,09,10

	chronic disorders (1)							
12	Care of adults with acute and chronic disorders (2)	3	1.5		103	26		08,09,10
13	Nurse role in complementary and alternative medicine	1	1		17	17		08,09,10
14	Nurse role in passive defense	0.5	0.5		9	9		08,10
Total								

Clinical practice:

Code of the Course	Name of the Course	Credits	Teaching Hours
10	Advance physical examination methods	1	51
11	Care of adults with acute and chronic disorders (1)	1.5	77
12	Care of adults with acute and chronic disorders (2)	1.5	77

Internship Courses:

Code of the Course	Name of the Course	Credits	Teaching Hours
15	Medical Surgical Nursing	2	136

