

FACULTY OF NURSING SCIENCE (FSI)

MASTER IN NURSING SCIENCE

**Concentrations : Administration of Health Care Units
Advanced Practice in Oncology and Palliative Care**

Main Language of Instruction:

French English Arabic

Campus Where the Program Is Offered: CSM

OBJECTIVES

The Master's level graduate program in Nursing Science aims to prepare specialized nurses to engage in advanced nursing practice in the areas of clinical care, research, management, education, and socio-political involvement.

PROGRAM LEARNING OUTCOMES (COMPETENCIES)

- Provide direct nursing care focused on the health of individuals, families, communities, and populations
- Create a learning-conducive environment within their professional practice
- Develop disciplinary projects and research initiatives
- Demonstrate leadership across various domains of nursing practice
- Practice with an emphasis on interprofessional collaboration centered on individuals, families, communities, and populations
- Promote an environment in which professionals are responsive to the ethical issues experienced by individuals, families, communities, and populations

ADMISSION REQUIREMENTS

- Hold a Bachelor in Nursing Science or an equivalent diploma recognized by the Ministry of Education and Higher Education
- Be professionally active in the healthcare field
- Successfully pass an admission interview
- Submit an application file for evaluation

COURSES/CREDITS GRANTED BY EQUIVALENCE

University Diploma in Nursing (6 Cr.)

Note: Any courses or programs completed after earning the Bachelor's degree will be subject to a file review to determine if they qualify for equivalency.

PROGRAM REQUIREMENTS

120 credits: Required courses (114 credits) and Institution's Elective Courses (6 credits)

Required courses - Common Core (90 Cr.)

Biostatistics (4 Cr.), Community Health Intervention Models (4 Cr.), Critical Review of the Literature 1 (3 Cr.), Epidemiology (4 Cr.), Ethical Issues in Healthcare (3 Cr.), Evidence-based Nursing Practice (2 Cr.), Health Economics (3 Cr.), Interprofessional Collaboration and Communication (4 Cr.), Law and Responsibility (2 Cr.), Leadership and Management of Healthcare Services (4 Cr.), Nursing Discipline and Advanced Practice (4 Cr.), Nursing Research (6 Cr.), Professional Project or Research Dissertation (30 Cr.), Project Management in Healthcare (6 Cr.), Professional Project Seminar or Research Seminar (3 Cr.), Quality of Care and Patient Safety (4 Cr.), Research Designs in Nursing Science (4 Cr.).

Required courses - Concentration: Administration of Health Care Units (24 Cr.)

Essentials of Nursing Administration and Management (4 Cr.), Human Resource Management (4 Cr.), Introduction to Accounting and Financial Management (4 Cr.), Organization of Nursing Services (4 Cr.), Practicum in Nursing Administration (4 Cr.), Strategic Analysis (4 Cr.).

Required courses – Concentration: Advanced Practice in Oncology and Palliative Care (24 Cr.)

Advanced Clinical Exam (4 Cr.), Advanced Clinical Internship 1 (4 Cr.), Advanced Clinical Internship 2 (4 Cr.), Pathophysiology and Nursing Care in Hemato-Oncology (4 Cr.), Patient and Family Support in Palliative and End-of-Life Care (4 Cr.), Specific Pharmacology in Hemato-Oncology (4 Cr.).

Institution's Elective Courses - Concentration: Administration of Health Care Units (6 Cr.), Advanced Practice in Oncology and Palliative Care (6 Cr.), to be chosen from the list below:

Applied Health Informatics (2 Cr.), Entrepreneurship in the Healthcare Sector (2 Cr.), Occupational Health and Safety of the Nurse (2 Cr.), Spirituality and Healthcare (2 Cr.).

Note: Some mandatory courses in one specialization could be optional in another.

SUGGESTED STUDY PLAN**Semester 1**

Code	Course Name	Credits
Required courses and Institution's elective courses – Common core		
005RCECMA	Critical Review of the Literature 1	3
005EPIEMA	Epidemiology	4
018ETHSM1	Ethical Issues in Healthcare	3
005DRR2MA	Law and Responsibility	2
	Institution's elective course	4
Required courses - Concentration: Administration of Health Care Units		
005GDESMA	Human Resource Management	4
	Total- Concentration: Administration of Health Care Units	20
Required courses – Concentration: Advanced Practice in Oncology and Palliative Care		
005PHOMA	Pathophysiology and Nursing Care in Hemato-Oncology	4
	Total- Concentration: Advanced Practice in Oncology and Palliative Care	20

Semester 2

Code	Course Name	Credits
Required courses and Institution's elective courses – Common core		
005BIOSMA	Biostatistics	4
005RSCIMA	Nursing Research	6
005QDSSMA	Quality of Care and Patient Safety	4
	Institution's elective course	2
Required courses - Concentration: Administration of Health Care Units		
005IMCFMA	Introduction to Accounting and Financial Management	4
005FOMAMA	Essentials of Nursing Administration and Management	4
	Total- Concentration: Administration of Health Care Units	24
Required courses – Concentration: Advanced Practice in Oncology and Palliative Care		

005PSHOMA	Specific Pharmacology in Hemato-Oncology	4
005EXCAMA	Advanced Clinical Exam	4
	Total- Concentration: Advanced Practice in Oncology and Palliative Care	24

Semester 3

Code	Course Name	Credits
Required courses – Common core		
496ECPGM3	Health Economics	3
005COLIMA	Interprofessional Collaboration and Communication	4
005PTSIMA	Nursing Discipline and Advanced Practice	4
005GPDSMA	Project Management in Healthcare	6
005DRSIMA	Research Designs in Nursing Science	4
Required courses - Concentration: Administration of Health Care Units		
005ANSTMA	Strategic Analysis	4
	Total - Concentration: Administration of Health Care Units	25
Required courses – Concentration: Advanced Practice in Oncology and Palliative Care		
005APFPMA	Patient and Family Support in Palliative and End-of-Life Care	4
005STA1MA	Advanced Clinical Internship 1	4
	Total - Concentration: Advanced Practice in Oncology and Palliative Care	29

Semester 4

Code	Course Name	Credits
Required courses – Common core		
005MISCMA	Community Health Intervention Models	4
005TDPPMA	Evidence-based Nursing Practice	2
005LGSSMA	Leadership and Management of Healthcare Services	4
005SEPRMA or 005SEREMA	Professional Project Seminar or Research Seminar	3
Required courses - Concentration: Administration of Health Care Units		
005ODSIMA	Organization of Nursing Services	4
005STAGMA	Practicum in Nursing Administration	4
	Total - Concentration: Administration of Health Care Units	21
Required courses – Concentration: Advanced Practice in Oncology and Palliative Care		
005STA2MA	Advanced Clinical Internship 2	4
	Total - Concentration: Advanced Practice in Oncology and Palliative Care	17

Semester 5

Code	Course Name	Credits
Required courses – Concentrations: Administration of Health Care Units and Advanced Practice in Oncology and Palliative Care		
005PRPRMA or 005MEREMA	Professional Project or Research thesis	30
	Total	30

COURSE DESCRIPTION

005EXCAMA	Advanced Clinical Exam	4 Cr.
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The Advanced Clinical Exam course aims to prepare students for an in-depth exploration of the skills necessary to assess and manage cancer patients at various stages of the disease. With an emphasis on a holistic approach, this course explores specialized physical examination techniques, sensitive communication methods, and symptom assessment tools to ensure optimal care and maximum quality of life for cancer patients.

005STA1MA	Advanced Clinical Internship 1	4 Cr.
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The Advanced Clinical Internship 1 in oncology provides students with immersive practical experience in caring for patients with cancer at various stages of the disease. It allows them to develop and apply their clinical skills in a specialized hospital setting, under the supervision of a multidisciplinary team. Students will gain a comprehensive understanding of different cancer types, their clinical presentations, and various treatment modalities. They will also be involved in coordinating interdisciplinary care, managing symptoms, and communicating with patients and their families.

005STA2MA	Advanced Clinical Internship 2	4 Cr.
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The Advanced Clinical Internship 2 course offers students the opportunity to develop their skills in clinical decision-making, teamwork, interprofessional communication, and the management of emergency situations. It also allows students to become familiar with ethical principles and psychosocial considerations related to oncology care.

005IAASMA	Applied Health Informatics	2 Cr.
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This course introduces students to the fundamental concepts, infrastructure, roles, and tools of health informatics. It explores technology and its applications in patient care, quality and safety, as well as the management of healthcare services. It emphasizes both conceptual frameworks and practical applications of information systems applied to healthcare. Students are also made aware of the challenges faced by professionals in the healthcare sector during the planning, implementation, and evaluation of information systems.

005BIOSMA	Biostatistics	4 Cr.
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This course is an introduction to biostatistics. It integrates statistical tools necessary for data collection, processing, interpretation, and presentation. It covers descriptive statistics, point estimation, confidence intervals, parametric and non-parametric hypothesis testing. Additionally, it introduces epidemiological study designs, standardization and adjustment methods, causality assessment, measures of effect and association, as well as concepts of bias and interaction.

005MISCMA	Community Health Intervention Models	4 Cr.
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This course enables students to explore the core theories, methods, and practices of health education and health promotion within the field of nursing science. Students will learn how to design, implement, and evaluate health education programs tailored to the needs of individuals, families, and communities.

005RCECMA	Critical Review of the Literature 1	3 Cr.
This course enables students to master literature search strategies and the critical appraisal of scientific articles in response to real-world issues stemming from nursing practice. It fosters reflective practice both orally and in writing, and develops analytical skills aimed at the continuous improvement of care quality.		
005ENDSMA	Entrepreneurship in the Healthcare Sector	2 Cr.
This course will enable students to develop essential skills in entrepreneurship. It covers the creation of innovative projects in the healthcare field, key development stages, interdisciplinary collaboration, as well as effective communication, initiative-taking, the introduction of innovative solutions, and their implementation in professional practice.		
005EPIEMA	Epidemiology	4 Cr.
This course enables students to acquire knowledge related to the frequency and distribution of health states within populations, as well as to study the determinants influencing these states. Additionally, it aims to apply this knowledge to control health issues and promote informed decision-making.		
005FOMAMA	Essentials of Nursing Administration and Management	4 Cr.
This course enables students to describe who managers are and the organizations in which they operate, to explain the importance of studying management, and to present the current factors influencing the evolution of managerial roles.		
018ETHSM1	Ethical Issues in Healthcare	3 Cr.
This course allows students to describe the ethical challenges faced in various situations in the professional context.		
005TDPPMA	Evidence-based Nursing Practice	2 Cr.
This course enables students to develop a rigorous clinical approach grounded in in-depth analysis of theory, research findings, and professional experience, in consultation with the patient. Students will learn to consistently make informed decisions based on the best scientific evidence and to adapt them to diverse care settings. The objective is to promote care quality and ensure patient safety.		
496ECPGM3	Health Economics	3 Cr.
This course focuses on the fundamental concepts and methods used in the economic analysis of healthcare services to design health policy decisions from an economic perspective. It also includes microeconomic tools for health economics, characteristics of demand and supply of healthcare services, cost trends, program efficiency, financing methods, and problems and challenges of healthcare markets and health insurance. Specific case studies are used to illustrate the application of theory and practice to healthcare markets and to suggest economic proposals for overcoming market failure.		
005GDESMA	Human Resource Management	4 Cr.
This course enables students to acquire knowledge related to the role and various functions of managers in managing healthcare teams. It aims to recognize all the practices implemented for recruiting, administering, mobilizing, and developing human resources involved in an organization's activities.		
005COLIMA	Interprofessional Collaboration and Communication	4 Cr.
This course allows students to explore the foundations and practical applications of interprofessional collaboration and interpersonal communication in the field of advanced nursing. Students will gain a thorough understanding of key concepts related to interprofessional collaboration, including the roles and responsibilities of various healthcare professionals, interprofessional care models, and principles of teamwork.		

005IMCFMA	Introduction to Accounting and Financial Management	4 Cr.
This course provides students with financial and budgetary concepts and principles applied to medical services and to the management of healthcare organizations. Topics include financial management systems, capital acquisition, capital cost and structure, capital allocation, and budget planning for financial control. Practical learning is provided through the analysis of case studies specific to public health.		
005DRR2MA	Law and Responsibility	2 Cr.
This course allows students to identify the legal environment, its issues and outcomes, as well as rights and obligations. It also enables them to describe responsibility, manage relationships with others, and identify personal rights as well as national and community rights.		
005LGSSMA	Leadership and Management of Healthcare Services	4 Cr.
This course enables students to recognize the role of nursing leadership in the management of healthcare services. It helps develop skills to mobilize and strengthen cohesion within a team of collaborators. It also allows students to assert their leadership through the learning of key concepts, to gain confidence, to master necessary tools, and to adopt a leadership posture.		
005DIPAMA	Nursing Discipline and Advanced Practice	4 Cr.
This course enables students to recognize the evolution of nursing thought, the ontology of the nursing discipline, and to critically examine various conceptions in nursing science. It also aims to develop reflective practice skills in students and to explore the identity and competencies of advanced nursing practice, as well as to identify modes of knowledge.		
005RSCIMA	Nursing Research	6 Cr.
This course enables students to integrate the research process in its various phases, identify different quantitative and qualitative designs, and acquire a scientific method facilitating the completion of academic work (literature review, information processing, critical analysis of scientific articles, writing, and academic integrity).		
005STETMA	Occupational Health and Safety of the Nurse	2 Cr.
This course enables students to understand the concepts related to occupational health, to identify the main health and safety hazards for workers, and to recognize various personal and organizational strategies to prevent or control them.		
005ODSIMA	Organization of Nursing Services	4 Cr.
This course aims to develop in students a thorough understanding of the theoretical and practical aspects of organizing nursing services. Drawing on organizational analysis theories, knowledge of management practices, and the foundations of the nursing discipline, this course aims to expose students to a variety of concepts, approaches, and methods, as well as to provide them with various analytical frameworks to examine the evolution of the organization of nursing services in both complex and dynamic care environments.		
005PHHOMA	Pathophysiology and Nursing Care in Hemato-Oncology	4 Cr.
This course enables students to identify health-related issues and study the pathophysiological aspects related to specific problems in malignant hematological situations, aplasia, septic shock, solid tumors, as well as the prevention of nosocomial infectious risk in cancer patients, including basic principles, pathophysiological mechanisms, and specific clinical pharmacology principles in oncology.		
005APFPMA	Patient and Family Support in Palliative and End-of-Life Care	4 Cr.
This course provides students with a comprehensive and sensitive approach to caring for terminally ill patients and their families. It explores the psychological, social, spiritual, and cultural aspects related to end-of-life care, as well as the skills necessary to offer holistic and respectful support to patients and their loved ones. It also emphasizes the crucial role of ethics in palliative care and end-of-life situations, as well as the community resources available to support patients and families during this challenging time.		

005STAGMA	Practicum in Nursing Administration	4 Cr.
Supervised professional internship with a nursing services manager in a hospital and/or extra-hospital setting, aimed at developing attitudes and integrating knowledge related to the administration of healthcare services and the role of the nursing manager in the institution.		
005PRPRMA	Professional Project	30 Cr.
<p>This course enables students to mobilize and integrate the knowledge acquired throughout their training by developing an individual project related to one of the domains of the nursing practice.</p> <p>Students are required to produce a structured written document demonstrating their ability to analyze, design, and implement a relevant and rigorous project, drawing on up-to-date scientific evidence and the principles of evidence-based nursing practice.</p>		
005SEPRMA	Professional Project Seminar	3 Cr.
This course enables students to integrate the stages of developing a project related to one of the areas of the nursing practice. It promotes the integration of all management concepts acquired during the Master's program.		
005GPDSMA	Project Management in Healthcare	6 Cr.
This course enables students to grasp project management concepts and develop skills to formulate a project management plan related to the healthcare field or one of the nursing practice areas (clinical, management, education, or research) stemming from the work environment.		
005QDSSMA	Quality of Care and Patient Safety	4 Cr.
This course enables students to develop strong skills in managing continuous quality improvement processes aimed at providing optimal care. It also allows them to foster a true culture of patient safety and care quality by encouraging the identification of adverse events and considering the patient as a key indicator of potential risks.		
005SEREMA	Research Seminar	3 Cr.
This course enables students to integrate the stages of developing a research related to one of the areas of the nursing practice. It promotes the integration of research process concepts acquired during the Master's program.		
005DRSIMA	Research Designs in Nursing Science	4 Cr.
This course aims to develop an in-depth understanding of research designs in nursing science, with a particular focus on quantitative and qualitative approaches. It enables students to critically examine the characteristics, strengths, limitations, conditions of use, and epistemological issues of various types of research designs. Through the analysis of published studies, students will learn to rigorously and justifiably select the most appropriate design based on a nursing issue, clinical context, or research question.		
005MEREMA	Research Thesis	30 Cr.
This course allows students to apply the knowledge they have acquired during their studies by developing a research thesis on a research problem related to one of the areas of the nursing practice.		
005PSHOMA	Specific Pharmacology in Hemato-Oncology	4 Cr.
This course provides students with a detailed analysis of medications used in the treatment of blood cancers and malignant tumors. It delves deeply into the mechanisms of action, clinical indications, side effects, and drug interactions of pharmacological agents specifically designed to target hematologic cancer cells and solid tumors. The course also emphasizes the principles of pharmacogenomics and pharmacokinetics for optimal use of anticancer drugs, as well as strategies for managing treatment-related toxicities.		

005SPSAMA	Spirituality and Healthcare	2 Cr.
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This course allows students to explore the interconnection between spirituality and health, with an emphasis on the importance of a spiritual approach in nursing care. Students are led to understand how patients' spiritual and religious beliefs can influence their experience of illness, their healing process, and their overall well-being.

005ANSTMA	Strategic Analysis	4 Cr.
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This course enables students to put the presentation and study of the strategic analysis process into practice, and to examine the environmental factors affecting various types of strategies. It assists in the application of the strategic management process and strategic alignment within the hospital organization.