

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 in Nursing Science aims to develop advanced nursing practices and leadership in the fields of practice, education, management, and nursing research.

PROGRAM LEARNING OUTCOMES (COMPETENCIES)

- Developing disciplinary projects and research
- Practicing in a manner that prioritizes inter- and intra-professional collaboration focused on individuals/families/communities and populations
- Exercising leadership in various nursing practice fields
- Creating a conducive learning environment in professional practice
- Engaging in direct nursing practice that enhances the well-being of individuals/families/communities and populations
- Nurturing an environment where professionals are sensitive to ethical issues concerning 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
- Successfully complete an admission interview.
- Submit an application

Proficiency in English and computer skills are required.

COURSES/CREDITS GRANTED BY EQUIVALENCE

Clinical Exam (4 Cr.) Specialized Nursing Care Diploma (6 Cr.) Quality of Care and Patient Safety (4 Cr.); courses by equivalence of the University Diploma (UD) in Specialized Nursing – Concentration: Oncology and Palliative Care (12 Cr.).

PROGRAM REQUIREMENTS

120 credits: Required courses for the common core (60 credits) and Required courses for each concentration (60 credits)

Required courses for the common core (60 credits)

Biostatistics (4 Cr.), Epidemiology (4 Cr.), Ethical Issues in Healthcare (3 Cr.), Evidence-based Nursing Practice (2 Cr.), Health Economics (4 Cr.), Health Education and Health Promotion (4 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.), Occupational Health and Safety of the Nurse (3 Cr.), Project Management in Healthcare (6 Cr.), Professional Project Seminar or Research Seminar (4 Cr.), Quality of Care and Patient Safety (4 Cr.), Reflective Nursing Practice (2 Cr.).

1- CONCENTRATION: ADMINISTRATION OF HEALTH CARE UNITS

60 credits: 54 Required courses and 6 Institution's elective courses.

54 required courses: Accounting and Financial Analysis of Health Structures and Systems (4 Cr.), Essentials of Nursing Administration and Management (4 Cr.), Human Resource Management (4 Cr.), Organization of Nursing Services (4 Cr.), Practicum in Nursing Administration (4 Cr.), Professional Project or Research Dissertation (30 Cr.), Strategic Analysis (4 Cr.).

***Choose 6 credits among the following elective courses:**

Applied Health Informatics (2 Cr.), Managing Emotions (2 Cr.), Mediation and Health (4 Cr.), Pedagogical Engineering in Nursing Science (4 Cr.), Prevention Programs and Measures (2 Cr.), Spirituality and Healthcare (2 Cr.), Updates in Public Health in the Arab World (2 Cr.)

SUGGESTED STUDY PLAN

Semester 1

Code	Course Name	Credits
005ETSAMA	Ethical Issues in Health Care	3
005GDESMA	Human Resource Management	4
005STETMA	Occupational Health and Safety of the Nurse	3
005PRSIMA	Reflective Nursing Practice	2
	Elective course	4
	Total	22

Semester 2

Code	Course Name	Credits
496CAPGM4	Accounting and Financial Analysis of Health Structures and Systems	4
005BIOSMA	Biostatistics	4
005FOMAMA	Essentials of Nursing Administration and Management	4
005QDSSMA	Quality of Care and Patient Safety	4
	Elective course	2
	Total	24

Semester 3

Code	Course Name	Credits
005TDPPMA	Evidence-based Nursing Practice	2
496ECPGM3	Health Economics	4
005COLIMA	Interprofessional Collaboration and Communication	4
005PTSIMA	Nursing Discipline and Advanced Practice	4
005GPDSMA	Project Management in Healthcare	6
005ANSTMA	Strategic Analysis	4
	Total	24

Semester 4

Code	Course Name	Credits
005DSAMA	Health Education and Health Promotion	4
005LGSSMA	Leadership and Management of Healthcare Services	4
005ODSIMA	Organization of Nursing Services	4
005STAGMA	Practicum in Nursing Administration	4
005SEPRMA 005SEREMA	Professional Project Seminar "Or "Research Seminar	4
	Total	20

Semester 5

Code	Course Name	Credits
005PRPRMA 005MEREMA	Professional Project Or "Research Dissertation"	30
	Total	30

2- CONCENTRATION: ADVANCE PRACTICE IN ONCOLOGY AND PALLIATIVE CARE

60 credits: 54 Required courses and 6 Institution's elective courses Advanced Clinical Exam (4 Cr.), Advanced Clinical Internship I (4 Cr.), Advanced Clinical Internship II (4 Cr.), Pathophysiology and Nursing Care in Hemato-Oncology (4 Cr.), Patient and Family Support in Palliative and End-of-Life Care (4 Cr.), Professional Project or Research Dissertation (30 Cr.), Specific Pharmacology in Hemato-Oncology (4 Cr.).

***Choose 6 credits among the following elective courses:**

Accounting and Financial Analysis of Health Structures and Systems (4 Cr.), Applied Health Informatics (2 Cr.), Managing Emotions (2 Cr.), Mediation and Health (4 Cr.), Pedagogical Engineering in Nursing Science (4 Cr.), Prevention Programs and Measures (2 Cr.), Organization of Nursing Services (4 Cr.), Spirituality and Healthcare (2 Cr.), Updates in Public Health in the Arab World (2 Cr.)

SUGGESTED STUDY PLAN

Semester 1

Code	Course Name	Credits
005ETSAMA	Ethical Issues in Health Care	3
005STETMA	Occupational Health and Safety of the Nurse	3
005PHHOMA	Pathophysiology and Nursing Care in Hemato-Oncology	4
005PRSIMA	Reflective Nursing Practice	2
	Elective course	4
	Total	22

Semester 2

Code	Course Name	Credits
005EXCAMA	Advanced Clinical Exam	4
005BIOSMA	Biostatistics	4
005QDSSMA	Quality of Care and Patient Safety	4
005PSHOMA	Specific Pharmacology in Hemato-Oncology	4
	Elective course	2
	Total	24

Semester 3

Code	Course Name	Credits
005STA1MA	Advanced Clinical Internship I	4
005TDPPMA	Evidence-based Nursing Practice	2
496ECPGM3	Health Economics	4
005COLIMA	Interprofessional Collaboration and Communication	4
005PTSIMA	Nursing Discipline and Advanced Practice	4
005APFPMA	Patient and Family Support in Palliative and End-of-Life Care	4
005GPDSMA	Project Management in Healthcare	6
	Total	28

Semester 4

Code	Course Name	Credits
005STA2MA	Advanced Clinical Internship II	4
005DSAMA	Health Education and Health Promotion	4
005LGSSMA	Leadership and Management of Healthcare Services	4
005SEPRMA	Professional Project Seminar	4
005SEREMA	Or Research Seminar	4
	Total	16

Semester 5

Code	Course Name	Credits
005PRPRMA	Professional Project	30
005MEREMA	Or Research Dissertation	
	Total	30

COURSE DESCRIPTION

496CAPGM4	Accounting and Financial Analysis of Health Structures and Systems	4 Cr.
<p>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.</p>		
005EXCAMA	Advanced Clinical Exam	4 Cr.
<p>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.</p> <p>Prerequisite: Pathophysiology and Nursing Care in Hemato-Oncology (005PHHOMA), Specific Pharmacology in Hemato-Oncology (005PSHOMA).</p>		
005STA1MA	Advanced Clinical Internship I	4 Cr.
<p>The Advanced Clinical Internship I course provides students with an immersive practical experience in the management of cancer patients at various stages of the disease. It allows students to develop and apply their clinical skills in a specialized oncology hospital environment under the supervision of a multidisciplinary team. Students gain a comprehensive understanding of various types of cancer, their clinical presentations, and various therapeutic modalities. They also participate in coordinating interdisciplinary care, managing symptoms, and communicating with patients and their families.</p> <p>Prerequisite: Patient and Family Support in Palliative and End-of-Life Care (005APFPMA), Law and Responsibility (005DRR2MA), Ethical Issues in Healthcare (005ETSAMA), Pathophysiology and Nursing Care in Hemato-Oncology (005PHHOMA), Advanced Clinical Exam (005EXCAMA), Specific Pharmacology in Hemato-Oncology (005PSHOMA), Reflective Nursing Practice (005PRSIMA).</p>		
005STA1M2	Advanced Clinical Internship II	4 Cr.
<p>The Advanced Clinical Internship II 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.</p> <p>Prerequisite : Advanced Clinical Internship I (005STA1MA), Patient and Family Support in Palliative and End-of-Life Care (005APFPMA), Law and Responsibility (005DRR2MA), Ethical Issues in Healthcare (005ETSAMA), Pathophysiology and Nursing Care in Hemato-Oncology (005PHHOMA), Advanced Clinical Exam (005EXCAMA), Specific Pharmacology in Hemato-Oncology (005PSHOMA), Reflective Nursing Practice (005PRSIMA), Project Management in Healthcare (005GPDSMA), Leadership and Management of Healthcare Services (LGSSMA), Reflective Nursing Practice (005PRSIMA), Quality of Care and Patient Safety (005QDSSMA).</p>		
005IAASMA	Applied Health Informatics	2 Cr.
<p>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.</p>		
005BIOSMA	Biostatistics	4 Cr.
<p>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</p>		

and adjustment methods, causality assessment, measures of effect and association, as well as concepts of bias and interaction.

Prerequisite: Nursing Research (005RSCIMA).

005EPIEMA	Epidemiology	4 Cr.
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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.
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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.

005ETSAMA	Ethical Issues in Health Care	3 Cr.
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This course allows students to describe the ethical challenges faced in various situations in the professional context.

005TDPMA	Evidence-based Nursing Practice	2 Cr.
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Evidence-based practice in healthcare is an approach that involves making clinical decisions by integrating the best available scientific evidence, clinical expertise, and patient preferences, in order to choose the option that best applies to the patient.

Prerequisite: Nursing Research (005RSCIMA), Biostatistics (005BIOSMA), Epidemiology (005EPIEMA).

496ECPM3	Health Economics	4 Cr.
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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, costs 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.

005EDSAMA	Health Education and Health Promotion	4 Cr.
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This course enables students to explore theories, methods, and practices of health education and health promotion in the field of nursing sciences. Students will learn to design, implement, and evaluate health education programs tailored to the needs of individuals, families, and communities.

005GDESMA	Human Resource Management	4 Cr.
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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.
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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.

005DRR2MA	Law and Responsibility	2 Cr.
<p>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.</p>		
005LGSSMA	Leadership and Management of Healthcare Services	4 Cr.
<p>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.</p>		
005GEEMMA	Managing Emotions	2 Cr.
<p>This course enables students to become aware of the dynamic functioning of the psyche for better emotional management. It aims to understand the importance of defense mechanisms and their consequences, as well as to understand and master the source of intra and interpersonal conflicts.</p>		
005MESAMA	Mediation and Health	4 Cr.
<p>This course enables students to manage conflicts, find amicable and satisfactory solutions to their differences, and help them work complementarily within a structure to achieve common goals.</p>		
005DIPAMA	Nursing Discipline and Advanced Practice	4 Cr.
<p>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.</p>		
005RSCIMA	Nursing Research	6 Cr.
<p>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).</p>		
005STETMA	Occupational Health and Safety of the Nurse	3 Cr.
<p>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.</p>		
005ODSIMA	Organization of Nursing Services	4 Cr.
<p>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 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.</p>		
005PHHOMA	Pathophysiology and Nursing Care in Hemato-Oncology	4 Cr.
<p>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.</p>		

005APFPMA	Patient and Family Support in Palliative and End-of-Life Care	4 Cr.
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This course provides students 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.

005PASIMA	Pedagogical Engineering in Nursing Science	4 Cr.
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This course enables the design of educational programs tailored to the needs of learners and provides them with the necessary pedagogical resources to achieve the intended objectives.

005STAGMA	Practicum in Nursing Administration	4 Cr.
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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.

Prerequisite : Law and Responsibility (005DRR2MA), Ethical Issues in Healthcare (005ETSAMA), Essentials of Nursing Administration and Management (005FOMAMA), Management of Human Resources (005GDESMA), Project Management in Healthcare (005GPDSMA), Leadership and Management of Healthcare Services (LGSSMA), Organization of Nursing Services (005ODSIMA), Reflective Practice in Nursing (005PRSIMA), Quality of Care and Patient Safety (005QDSSMA).

005PRMPMA	Prevention Programs and Measures	2 Cr.
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This course allows students to become familiar with strategies for developing programs to prevent healthcare-associated infections, with the aim of improving the quality of care and patient safety in healthcare institutions.

005PRPRMA	Professional Project	30 Cr.
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This course enables students to integrate the knowledge acquired during their studies through the development of an individual project related to one of the areas of the nursing practice.

Prerequisite: Validation of all required courses.

005SEPRMA	Professional Project Seminar	4 Cr.
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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 program.

Prerequisite: Project Management in Healthcare (005GPDSMA), Nursing Research (005RSCIMA).

005GPDSMA	Project Management in Healthcare	6 Cr.
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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.

Prerequisite: Nursing Research (005RSCIMA), Biostatistics (005BIOSMA)

005QDSSMA	Quality of Care and Patient Safety	4 Cr.
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This course enables students to develop their skills in managing continuous quality improvement processes and providing quality care. It also allows them to cultivate a culture of patient safety and quality care, and identify adverse events while considering the patient as a risk tracer.

005PRSIMA	Reflective Nursing Practice	2 Cr.
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This course enables students to explore the process of reflective practice based on issues arising from the nursing practice. It also aims to stimulate reflection in students and develop their skills in reflective practice, both orally and in writing, with the aim of improving the nursing practice.

005SEREMA	Research Seminar	4 Cr.
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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 program.
Prerequisite: Project Management in Healthcare (005GPDSMA), Nursing Research (005RSCIMA).

005MEREMA	Research Dissertation	30 Cr.
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This course allows students to apply the knowledge they have acquired during their studies by developing a research dissertation on a research problem related to one of the areas of the nursing practice.
Prerequisite: Validation of all required courses.

005PSHOMA	Specific Pharmacology in Hemato-Oncology	4 Cr.
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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.

496AMAPM1	Updates in Public Health in the Arab World	2 Cr.
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This course explores the latest advancements, challenges, and strategies within the field of public health, specifically focused on the Arab world. It delves into the dynamic landscape of public health in Arab countries, addressing key issues, emerging trends, and innovative approaches in health promotion. Students will gain a deep understanding of the unique sociocultural, political, and economic factors that shape public health in the Arab world. Guest speakers in each session will share their expertise in various topics of interest, giving students valuable insights.