

MASTER IN MAIEUTIC SCIENCE**Main Language of Instruction:**French ☒ English ☐ Arabic ☐**Campus Where the Program Is Offered:** CSM**OBJECTIVES**

The Master in Maieutic Science aims to train expert midwives capable of contributing to the improvement of the quality of reproductive health services, producing scientific knowledge, and providing leadership in midwifery.

PROGRAM LEARNING OUTCOMES (COMPETENCIES)

- Improve the quality of reproductive health services through evidence-based practice.
- Foster leadership dynamics in midwifery.
- Integrate artificial intelligence into the training of healthcare professionals and the support of families.
- Conduct research in perinatal health.
- Apply strategic management principles in midwifery.

ADMISSION REQUIREMENTS

- Hold a midwifery diploma or a degree recognized as equivalent by the Ministry of Education and Higher Education.
- Application review.
- Selection interview.
- Pass the French language proficiency test.

COURSES/CREDITS GRANTED BY EQUIVALENCE

Midwives holding a diploma or a recognized equivalent degree are granted 30 transfer credits within the program through equivalency validation:

Breastfeeding (2 Cr.), Gynecology 3 (2 Cr.), Internship 4B (10 Cr.), Midwifery Practice 2 (3 Cr.), Midwifery Practice 3 (2 Cr.), Pathological Obstetrics 3 (2 Cr.), Pathological Obstetrics 4 (2 Cr.), Pediatrics (2 Cr.), Pharmacology (2 Cr.), Research Methodology (3 Cr.).

PROGRAM REQUIREMENTS

120 credits: upon completion of the program, students must have earned a total of 120 credits, including 30 credits granted by equivalence and 90 credits completed during the program.

Required courses (114 credits), Institution's elective courses (6 credits).

Required Courses (114 Cr.)

Breastfeeding (2 Cr.), Communication and Mediation (2 Cr.), Environmental Health and Reproductive Health (4 Cr.), Ethical and Legal Dimensions (2 Cr.), Evidence-Based Midwifery Practice (3 Cr.), Fundamentals of Epidemiology (5 Cr.), Fundamentals of Management (4 Cr.), Fundamentals of Public and Global Health (5 Cr.), Gynecology 3 (2 Cr.), Internship 4B (10 Cr.), Introduction to Biostatistics (5 Cr.), Maternal and Child Health Protection (3 Cr.), Midwifery Practice 2 (3 Cr.), Midwifery Practice 3 (2 Cr.), Pathological Obstetrics 3 (2 Cr.), Pathological Obstetrics 4 (2 Cr.), Pediatrics (2 Cr.), Pharmacology 2 (2 Cr.), Psychology and Support in Midwifery (3 Cr.), Quality and Risk Management (4 Cr.), Research in Public Health (4 Cr.), Research Methodology (3 Cr.), Thesis 1 – Preparation of the Thesis/Project (10 Cr.), Thesis 2 – Research Proposal/Organization of Project Objectives (10 Cr.), Thesis 3 – Data Collection/Project Implementation (10 Cr.), Thesis 4 – Thesis Writing and Defense/Project Report Presentation (10 Cr.).



Institution's Elective Courses (6 Cr.), to be chosen from the list below:

Andragogy and AI in Perinatal Care (2 Cr.), Fundamentals of Leadership (4 Cr.), Public Speaking (2 Cr.). Strategic Analysis (4 Cr.).

SUGGESTED STUDY PLAN**Semester 1**

Code	Course Name	Credits
034ALMAL3	Breastfeeding	2
034COMEM1	Communication and Mediation	2
496FESPM1	Fundamentals of Epidemiology	5
496FSPMM1	Fundamentals of Public and Global Health	5
034PSF3L6	Midwifery Practice 2	3
034MDRCL6	Research Methodology	3
496PAMSM1	Thesis 1 – Preparation of the Thesis/Project	10
	Total	30

Semester 2

Code	Course Name	Credits
034SESGM2	Environmental Health and Reproductive Health	4
034GYN3L6	Gynecology 3	2
496IBSPM2	Introduction to Biostatistics	5
034OPT3L6	Pathological Obstetrics 3	2
034PHA2L4	Pharmacology 2	2
496RESPM2	Research in Public Health	4
496PROSM2	Thesis 2 – Research Proposal/Organization of Project Objectives	10
	Total	29

Semester 3

Code	Course Name	Credits
034PMDPM3	Evidence-Based Midwifery Practice	3
034PSF3L7	Midwifery Practice 3	2
034OPT4L7	Pathological Obstetrics 4	2
034PED3L7	Pediatrics	2
034PAMAM3	Psychology and Support in Midwifery	3
034GQARM3	Quality and Risk Management	4
496CDCPM3	Thesis 3 – Data Collection/Project Implementation	10
	Institution's Elective Courses	4
	Total	30

Semester 4

Code	Course Name	Credits
034DETJM4	Ethical and Legal Dimensions	2
005FOMAMA	Fundamentals of Management	4
034IT4BL8	Internship 4B	10
034PRMIM4	Maternal and Child Health Protection	3
496RSDMM4	Thesis 4 – Thesis Writing and Defense/Project Report Presentation	10
	Institution's Elective Courses	2
	Total	31

COURSE DESCRIPTION

034ALMAL3	Breastfeeding	2 Cr.
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This course aims to develop students' knowledge to promote, encourage, and support breastfeeding during the perinatal period in accordance with international recommendations, particularly those of the World Health Organization (WHO) and the United Nations Children's Fund (UNICEF).

034AIAPM4	Andragogy and AI in Perinatal Care	2 Cr.
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This course enables students to master the principles of adult learning. It equips them with the essential skills required to educate women and healthcare professionals using active and contemporary teaching methods.

034COMEM1	Communication and Mediation	2 Cr.
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This course aims to develop students' skills in professional communication and mediation. It enables them to acquire communication techniques and prepares them to handle complex interpersonal situations through mediation, conflict prevention, and the management of difficult situations in interprofessional and clinical contexts.

034SESGM2	Environmental Health and Reproductive Health	4 Cr.
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This course aims to explore an integrated approach to the links between public health, reproductive health, and the environment. It equips midwives with the essential knowledge needed to effectively understand and address these interactions in their practice. It encourages in-depth reflection and a comprehensive understanding of the complexity of reproductive health issues.

034DETJM4	Ethical and Legal Dimensions	2 Cr.
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This course addresses ethical and legal issues in the field of perinatal care. It covers professional responsibilities, ethical principles, and the legal frameworks governing midwifery practice.

034PMDPM3	Evidence-Based Midwifery Practice	3 Cr.
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This course aims to strengthen students' skills in the application of evidence-based midwifery practice. It emphasizes the use of research and scientific evidence to guide clinical decision-making.

034FDLDM3	Fundamentals of Leadership	4 Cr.
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This course explores the fundamental principles of leadership, focusing on the essential skills required to lead effectively in complex and diverse contexts.

496FESPM1	Fundamentals of Epidemiology	5 Cr.
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This course covers the fundamental principles of epidemiology. It includes an introduction to the field of epidemiology and its applications, as well as concepts such as causality, measures of disease frequency, risk estimation, effect and association measures, interaction, the conduct of epidemiological studies (including

experimental studies, cohort studies, case-control studies, and cross-sectional studies), and the role of biases and confounding factors in epidemiological research.

005FOMAMA	Fundamentals of Management	4 Cr.
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This course enables students to identify managers and the organizations in which they operate, to explain the importance of studying management, and to present the current factors that influence the evolution of managerial professions.

496FSPMM1	Fundamentals of Public and Global Health	5 Cr.
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This course gives students a general overview of concepts in public and global health, including basic definitions and key terms, the history of public and global health, governance and health systems, mandates and functions, as well as services. The course also touches on main differences between clinical sciences and public health, as well as sustainable development. Toward the end of the course, students will describe and characterize major public health issues, discuss their global impact, and present some of the global action being taken to address them.

034GYN3L6	Gynecology 3	2 Cr.
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This course enables students to acquire the knowledge and skills essential for providing comprehensive care to women throughout their lives. It also equips them to promote the sexual and reproductive health of couples.

03IT4BL8	Internship 4B	10 Cr.
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A clinical rotation allowing students to provide comprehensive care to women in labor, perform normal deliveries, manage obstetric emergencies, and ensure neonatal resuscitation.

496IBSPM2	Introduction to Biostatistics	5 Cr.
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This course provides an introduction to biostatistics in public health research. It incorporates the statistical methods necessary for data cleaning, management, analysis, interpretation, and presentation. The course covers descriptive statistics, point and interval estimation, as well as parametric and non-parametric hypothesis testing. It introduces measures of effect and association used in epidemiological study models. The course follows an applied approach using real-world public health problems.

034PRMIM4	Maternal and Child Health Protection	3 Cr.
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This course aims to provide students with an in-depth understanding of maternal and child protection issues, with a focus on gender-based violence, respect for human rights, and the essential role of the midwife in the prevention of and care for victims.

034PSF2L6	Midwifery Practice 2	3 Cr.
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This course allows students to develop practical skills by applying the theoretical knowledge acquired. Students will thus be able to provide appropriate labor monitoring, manage dystocia or other abnormalities during labor, perform a normal delivery, and provide appropriate postnatal care to the pregnant woman and her family.

034PSF3L7	Midwifery Practice 3	2 Cr.
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This course allows students to develop practical skills by applying the theoretical knowledge acquired. Students will thus be able to provide appropriate labor monitoring, manage dystocia or other abnormalities during labor, perform a normal delivery, detect obstetric emergencies and provide appropriate postnatal care to the pregnant woman and her family.

034OPT3L6	Pathological Obstetrics 3	2 Cr.
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This course focuses on the identification, management, and care of women with preexisting conditions during pregnancy, labor, and the postpartum period. It prepares students to recognize and address various obstetric pathologies, ensuring appropriate interventions and a multidisciplinary approach to care for both the mother and the fetus.

034OPT4L7	Pathological Obstetrics 4	2 Cr.
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This course focuses on the identification, management, and care of women with preexisting conditions during pregnancy, labor, and the postpartum period. It prepares students to recognize and address various obstetric pathologies, ensuring appropriate interventions and a multidisciplinary approach to care for both the mother and the fetus.

034PED3L7	Pediatrics	2 Cr.
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This course aims to provide students with the necessary knowledge to prevent, screen for, and detect malformations and pathologies in children, in collaboration with healthcare professionals.

034PHA2L4	Pharmacology 2	2 Cr.
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This course covers the fundamental principles of pharmacology, with a particular focus on evaluating the safety and efficacy of medications during pregnancy and breastfeeding. It aims to equip them with the necessary skills to make informed, evidence-based decisions, thereby promoting safe and appropriate pharmacological practices in professional practice.

034PAMAM3	Psychology and Support in Midwifery	3 Cr.
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This course aims to develop a reflective stance in students, enabling them to analyze complex interpersonal situations in perinatal care settings. It helps them understand the psychological mechanisms involved in the caregiving relationship in midwifery.

005PUSPMA	Public Speaking	2 Cr.
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This course enables students to develop public speaking skills, ranging from the fundamentals of communication to advanced techniques in persuasion and storytelling. It combines theoretical knowledge with practical exercises to help learners build confidence, organize their ideas effectively, master both verbal and non-verbal communication, and adapt to various communication contexts (improvised speeches, professional presentations, emotional speeches, etc.).

034GQARM3	Quality and Risk Management	4 Cr.
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This course enables students to master the concepts, methods, and tools required to improve the quality and safety of services. It prepares them to design and implement institutional projects and to carry out continuous evaluation processes of professional practices.

496RESPM2	Research in Public Health	4 Cr.
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This course introduces students to multidisciplinary research in public health. It covers the main stages of the research process, including the development of an effective search strategy, conducting an in-depth literature review with critical synthesis and appraisal of scientific articles, and selecting appropriate study designs and methodologies. Students will learn to distinguish between quantitative, qualitative, and mixed-method approaches, and to design research methodologies suited to public health research questions. The course also emphasizes ethical principles and challenges related to conducting health research. By the end of the course, students will be able to develop multidisciplinary public health research projects, critically evaluate published scientific literature, and identify the strengths and limitations of different study designs and methodological approaches.

034MDCL6	Research Methodology	3 Cr.
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This course introduces students to the process and foundations of scientific research. Students will be able to analyze a research problem in reproductive health by engaging in quantitative or qualitative research activities. This approach aims to equip students with critical thinking skills to base their practice on evidence-based data.

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.

496PAMSM1	Thesis 1 – Preparation of the Thesis/Project	10 Cr.
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This is the first course in the thesis sequence. It aims to guide students through the preliminary phase of developing a research study. The process includes guidance on selecting a research topic, searching the literature for relevant published articles, storing and citing references using reference management software, formulating an appropriate research question, and developing engaging presentations with adequate scientific writing skills. The course is designed as a practical module, consisting of hands-on training sessions as well as individual meetings and follow-up supervision with thesis advisors.

496PROSM2	Thesis 2 – Research Proposal/Organization of Project Objectives	10 Cr.
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This is the second course in the thesis sequence. It aims to guide students in the development of a viable research proposal. The process includes learning how to refine and finalize a research question, provide background and justification for a research problem, develop an appropriate methodology to address the research question, consider ethical issues, and present and defend a complete research proposal. The course is designed as a practical module, consisting of hands-on training sessions as well as individual meetings and follow-up supervision with mentors.

496CDCPM3	Thesis 3 – Data Collection/Project Implementation	10 Cr.
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This is the third course in the thesis sequence. It aims to guide students throughout the data collection and data management phase of a research study. The process begins with obtaining ethical approval based on a well-developed protocol, followed by data collection, data management, and preliminary data analysis. The course integrates both qualitative and quantitative research techniques. It is a practical course that includes hands-on training sessions, individual meetings, and ongoing supervision with thesis advisors.

496RSDMM4	Thesis 4 – Thesis Writing and Defense/Project Report Presentation	10 Cr.
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This is the fourth and final course in the thesis sequence. It aims to support students in the development of a strong and defensible dissertation. The process includes learning how to structure a thesis document and how to write appropriate content for each chapter, including the introduction, literature review, methodology, ethics, results, discussion, and conclusion. The course also addresses publication opportunities and procedures, as well as possibilities for research funding, scholarships, and grants. It is a practice-oriented course that includes applied training sessions, individual meetings, and personalized supervision with mentors.