

## MSc in Preventive & Cardiometabolic Medicine

| Field                   | Detail   |
|-------------------------|--|
| Program Title           | MSc in Preventive & Cardiometabolic Medicine   |
| Institution             | US MetaArees International University – College of Health and Medical Services   |
| Program Orientation     | Academic Master's / Professional Master's  |
| Stacked Structure       | PG Certificate 12 Cr → PG Diploma 24 Cr → Master's 30 Cr   |
| Mode of Study           | Online learning combining synchronous and asynchronous engagement  |
| Applied Support         | Case-based learning, virtual simulation, structured applied training, and advanced educational technologies including VR where appropriate |
| Language of Instruction | English  |
| Target Backgrounds      | Relevant medical, health, biomedical, public health, or science-based backgrounds  |

### Program Overview

The MSc in Preventive & Cardiometabolic Medicine is an advanced postgraduate program designed to build strong academic and applied capability in preventive cardiology, cardiometabolic risk reduction, and long-term service improvement across contemporary healthcare settings.

### Why is this program modern?

Cardiometabolic disease prevention is now central to modern healthcare systems, population health planning, and value-based care. This program responds to that need by preparing learners to work with current preventive frameworks, risk-based pathways, quality-driven practice, and contemporary service models that prioritize early intervention, continuity, and measurable outcomes.





## What Makes This Program Distinctive

This program is distinctive because it unites preventive medicine, cardiometabolic risk management, quality-oriented pathway thinking, and structured postgraduate progression within one coherent academic model. It is also strengthened by flexible online delivery, guided academic engagement, simulation-supported applied learning, and a clear balance between scientific depth and practical relevance.

## Career and Market Relevance

Graduates may strengthen their readiness for advanced roles related to preventive cardiology, cardiometabolic risk assessment, outpatient pathway development, lifestyle and policy-informed care planning, academic progression, quality improvement, and service development in healthcare organizations increasingly focused on prevention and chronic disease management.

## Award Structure and Credit Hours

The program follows a flexible stacked-award structure that allows staged academic progression through recognized postgraduate milestones.

- Postgraduate Certificate: 12 credit hours
- Postgraduate Diploma: 24 credit hours in total
- Master's Degree: 30 credit hours in total
- Final pathways: Academic Master's (Thesis) or Professional Master's (Capstone)

## The Value of the Stacked Pathway

The stacked model allows students to progress step by step through academically connected qualifications. This gives learners recognized milestone awards, supports flexibility for working professionals, and creates a clear progression route toward the full master's degree without reducing the value of each completed stage.

## Learning Model and Educational Experience

The program is delivered through an advanced online model that combines asynchronous learning with structured synchronous academic engagement. Students benefit from guided self-paced study, digital learning resources, regular faculty feedback, and live or recorded academic support where appropriate.



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## Simulation and Advanced Educational Technologies

The learning experience is supported by advanced educational technologies such as virtual simulation, structured case rehearsals, risk-stratification workshops, OSCE-style oral exercises, and, where appropriate, immersive tools including VR-based experiences and other contemporary technologies that strengthen applied and professional readiness.

## Program Orientation

The program can be presented with both academic and professional orientation, allowing students to complete either an academic route based on a thesis or a professional route based on an applied capstone, in line with the approved program structure and university policies.

## What Students Learn

Students develop advanced understanding in preventive cardiology, cardiometabolic pathophysiology, lifestyle and pharmacologic risk reduction, lipid and hypertension management, prevention for special populations, quality improvement, and evidence-informed service integration.

## What Graduates Gain

- Advanced academic and professional grounding in preventive and cardiometabolic medicine.
- Stronger ability to assess risk, interpret diagnostics, and formulate structured preventive plans.
- Practical understanding of quality improvement, pathway integration, and patient-centered decision-making.
- Meaningful exposure to simulation-supported and technology-enhanced learning environments.
- Preparation for further academic progression and professionally oriented postgraduate development.

## Who Can Apply

This program is intended for applicants whose prior academic background provides an appropriate foundation for advanced study in the field. Priority is typically given to bachelor's degree holders in the same discipline or in closely related fields, while selected interdisciplinary or relevant scientific backgrounds may also be considered based on academic fit.

- Medicine
- Nursing
- Public health
- Biomedical sciences
- Health sciences
- Allied health fields
- Other relevant science or health backgrounds subject to academic review



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## Admission Suitability

Because this is an advanced postgraduate program, admission suitability is evaluated not only on the basis of holding a bachelor's degree, but also on the relevance of the applicant's previous academic preparation, disciplinary fit, and readiness for the level and orientation of study. Some applicants may therefore require additional academic review before final admission decisions are made.



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