



M.Sc. IN GENOMIC MEDICINE

Department of Genetics & Genomics
College of Medicine & Health Sciences
United Arab Emirates University

OVERVIEW

Master of science in Genomic Medicine (MSGM) is a groundbreaking program and the first of its kind in the UAE. The program is designed to address the critical need for the professional development of healthcare workforce from different disciplines (e.g. medicine, nursing, scientists and biotechnologists) in genomic knowledge that will impact on their service delivery to patients in the UAE. In this program, the students will learn from experts in the field to prepare for a new era of personalized healthcare. It consists of courses, laboratory and computer practical sessions. This program will also promote and foster students' intellectual curiosity, creativity, and critical thinking in the practical application of genomics and bioinformatics through an original research project chosen from a wide selection of translational topics in the field of Genomic Medicine.

SPECIAL FEATURES

- Competent faculties and top ranked researchers
- Performance based scholarship
- Excellent research facilities including a next generation sequencing laboratory
- A rich library, online journals, and modern computer labs
- Research meetings and seminars
- The study may be completed within 3-4 semesters
- Suitable for full time and part time students
- Most classes are held in the afternoon
- Medical lab scientists can acquire healthcare professional license
- It can lead to a career in healthcare sector, biotechnology companies, academia and/or research
- Assistance is available for academic planning, career development, and job placement

ADMISSION REQUIREMENTS

- Bachelor's degree from an accredited University in Medicine, Biomedical Sciences, or closely related disciplines such as nursing, biology, biotechnology and biochemistry
- A minimum cumulative GPA of 3.0 on a 4.0 scale or equivalent
- A score of 6.0, higher on the IELTS Academic exam, or equivalent. This test score must be less than two years old at the time of application.
- Because of limited seats, the admission to the MSGM program is subjective of passing a formal interview conducted by faculty members of the Genetics and Genomics Department.

STRUCTURE & CURRICULUM

MSGM study plan consists of 33 credit hours (CH). A student enrolled in the program must complete all requirements in a minimum of three and a maximum of six semesters after enrolment. The program requires the completion of a thesis.

- 11 compulsory core courses
- 2 elective courses
- A research project and an associated thesis on a state-of-the-art project related to disease diagnosis, treatment, prediction, prevention and risk assessment

OFFERED COURSES

Core Courses (20CH)

- Ethical Conduct in Medical Research (1CH)
- Principles of Research (1CH)
- Advanced Molecular Biology (3CH)
- Human Genetics (2CH)
- Molecular Basis of Human Diseases (2CH)
- Bioinformatics & Genomics (2CH)
- Genetic & Genomic Diagnostics (3CH)
- OMICS in Medicine (2CH)
- Biostatistics (2CH)
- Journal Club (1CH)
- Seminars (1CH)

Elective Courses (4CH)

- Translational Medicine: From Bench to Bedside (2CH)
- Pharmacogenomics & Stratified Medicine (2CH)
- Principles of Genetic Counselling (2CH)
- Any advanced course offered by other departments

Research (9CH)

- Research Thesis (9CH)

TUITION FEES

- AED 200 application fee.
- AED 2000 per CH.
- Total= (2,000*33) + 200= AED 66,200



[APPLY ONLINE](#)





For further information and specific deadline dates,
please contact:

The College of Graduate Studies



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