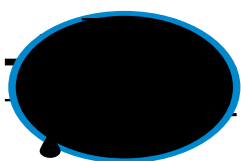


Master of Science in Genomics and Precision Medicine

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A multidisciplinary program aiming to educate and train practitioners and researchers who can contribute to enhanced healthcare solutions in Qatar.



HBKU's Genomics and Precision Medicine (GPM) programs are multidisciplinary graduate courses that have been designed to prepare the next generation of professionals and leaders, who will help implement the use of precision and personalized medicine in the healthcare system.

The Master of Science and PhD degree paths in GPM offer students advanced knowledge and training in state-of-the-art information gathering and analysis technologies in order to integrate "omics" - the branch of biology that deals with data on global changes at the molecular level in patients - with clinical data.

Program Focus

- The exploration of a rigorous curriculum and practical training designed to provide a strong foundation, as well as cutting-edge knowledge, in both theoretical and applied aspects of genomics and precision medicine.
- Students will be exposed to the latest advancements in the field of genomics and precision medicine and will explore state-of-the-art basic, clinical, technological, computational, and legal and ethical aspects of a fascinating, fast-expanding sector of the life sciences.
- Throughout their studies, students will examine aspects of the four main pillars of genomics and precision medicine: clinical aspects, technology, "omics", and bioethics.

Curriculum

A 33-credits program, taught in English over two years, that includes:

- **Five mandatory foundation courses**
 - **A minimum of three elective courses**
 - **Attendance at departmental seminars**
 - **Thesis work and laboratory training**
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