

M.Sc. Programme in Genomics and Bioinformatics (Full-time and Part-time)

School of Biomedical Sciences, Faculty of Medicine, CUHK

Study Scheme

1. Coursework Requirement

A) Full-time mode

Students are required to complete a minimum of 24 units of courses for graduation.

Required courses:

1st term: GNBF5010, 5020, 5030, 5040	12 units
2nd term: GNBF5050, 5060, 5070, 6010	12 units
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	Total: 24 units

B) Part-time mode

Students are required to complete a minimum of 24 units of courses for graduation.

Required courses:

<i>First Year of Attendance:</i>	12 units
1st term: GNBF5010, 5020	
2nd term: GNBF5030, 5040	
 <i>Second Year of Attendance:</i>	 12 units
1st term: GNBF5050, 5060	
2nd term: GNBF5070, 6010	
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	Total: 24 units

2. Other Requirements

(a) Students must fulfill the Term Assessment Requirement of the Graduate School. For details, please refer to Section 13.0 "Unsatisfactory Performance and Discontinuation of Studies" of the General Regulations Governing Postgraduate Studies which can be accessed from the Graduate School Homepage: <http://www.gs.cuhk.edu.hk>.

(b) A student must achieve a cumulative grade point average (GPA) of at least 2.0 in order to fulfill the graduation requirement, unless special approval is granted by the Graduate Council.

Course List

<u>Code</u>	<u>Course Title</u>	<u>Unit</u>
GNBF5010	Introduction to Programming	3
GNBF5020	Introduction to Molecular Biology and Genetics	3
GNBF5030	Bio-computing	3
GNBF5040	Genomics: Basic Concepts and Applications	3
GNBF5050	Theories and Algorithms in Bioinformatics	3
GNBF5060	Systems Biology	3
GNBF5070	Genome Informatics	3
GNBF6010	Research Project	3

Learning Outcomes

MSc in Genomics and Bioinformatics

- To enrich students who graduated in the Faculties of Medicine, Science, and Engineering with knowledge of genomics and bioinformatics;
- To train students to critically appraise scientific work in related fields;
- To provide students with experience in carrying out genomics and bioinformatics research;
- To enable students to apply the knowledge learned to their work which is related to biological or biomedical research.