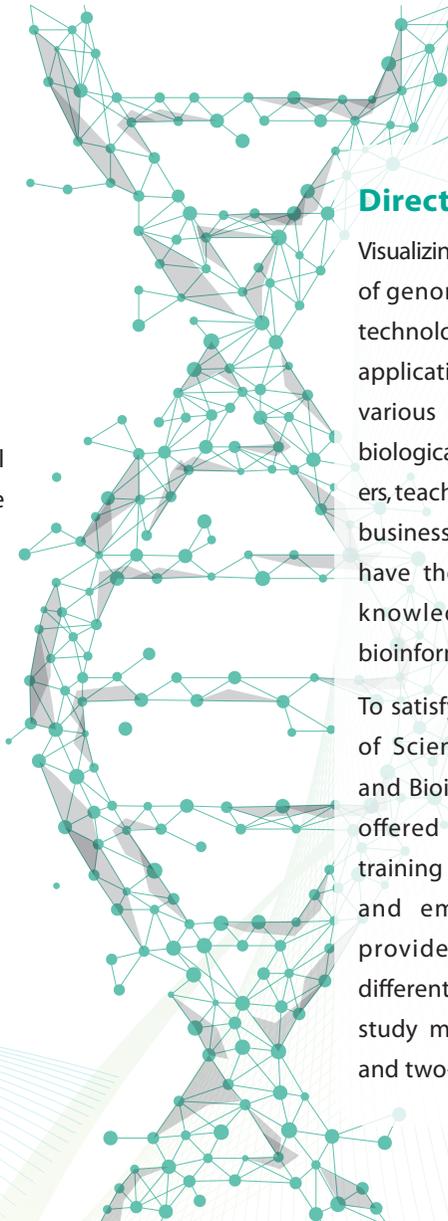


Master of Science in Genomics and Bioinformatics

基因組學及生物信息學理學碩士



Director's Message

Visualizing the rapid advancement of genomics and bioinformatics technology, as well as potential applications of genome data on various areas in biomedical and biological sciences, many researchers, teachers and employees in the business sectors felt that they have the needs to enrich their knowledge on genomics and bioinformatics.

To satisfy their needs, the Master of Science (M.Sc.) in Genomics and Bioinformatics programme is offered so that postgraduate training on these two important and emerging areas can be provided. To cater needs of different students, there are two study modes (one-year full-time and two-year part-time) offered.

Online Application

Please visit Graduate School' s homepage at <https://www.gs.cuhk.edu.hk/admissions/programme/medicine>

Applicants should provide a full set of supporting documents for further recommendation.

Please visit <https://www.gs.cuhk.edu.hk/admissions/admissions/how-to-apply> for application procedures and preparation.

Online application will be available in September of the year.

Information Sessions

Information sessions will be conducted regularly from September to March. Details will be announced in our website in early September.

Application Deadlines

End of April (every year)

Application will be processed on a rolling basis until all places have been filled. Therefore, early applications are strongly encouraged.

Contact Us

M.Sc. in Genomics and Bioinformatics,
Division of Biomedical Sciences, School of Biomedical Sciences,
G03, Lo Kwee-Seong Integrated Biomedical Sciences Building,
The Chinese University of Hong Kong,
Shatin, N.T., Hong Kong

Contact Person: Ms Fion Fong
E-mail : gbgrad@cuhk.edu.hk
Phone : 852-3943 1212
Website: <http://bioinfo.cuhk.edu.hk/>



Tuition Fee

M.Sc. Programme (Full-time, 1 year)

HK\$120,000 payable in two installments

M.Sc. Programme (Part-time, 2 years)

HK\$60,000 per year payable in two installments for each year

(Subject to the approval by the University)

Curriculum

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

Assessment

For the mandatory courses, performance will be assessed by assignments, examination and course paper.

For the research project (as required for the M.Sc. programme), assessment will be based on research performance, oral presentation, and written reports.



Features

- To train personnel who are interested in joining the emerging industry in genomics, bioinformatics and personalized medicine
- To enable doctors, technicians and research staff to conduct genomics and bioinformatics research project in their career
- To enrich knowledge in genomics and bioinformatics via lectures, workshops and hands-on experience

Recognition

- The Master of Science in Genomics and Bioinformatics is a quotable qualification approved by the Medical Council of Hong Kong.
- This course has been included in the list of reimbursable courses under the Continuing Education Fund.
- This course is recognised under the Qualifications Framework (QF Level 6).
- For CME/CPD accreditation by the Hong Kong Academy of Medicine and the Medical Laboratory Technologists Board, please refer to our website.

Admission Requirements

In addition to the general requirements of the Graduate School, applicants should have graduated from a recognized university and obtained a Bachelor's degree in Medicine, Science, or Engineering.

Graduation Requirements

- Students should complete all courses including seven 3-unit courses and one 3-unit research project.
- Students should pass all the assessments and obtain a cumulative overall GPA of a least 2.0 in order to graduate.

Director

Programme Director: Professor Tsui Kwok-Wing Stephen
Administrative Staff: Ms Fion Fong

Teaching Faculty

Professors and lecturers from the Faculty of Medicine and the School of Life Sciences of the Chinese University of Hong Kong

Objectives

- 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.

Overview

Target Participants

The programme is suitable for researchers, medical doctors and employees in biotechnology industry who wish to equip themselves with knowledge and skills in genomics and bioinformatics for their interest and career development.

Topics

- Programming
- Molecular Biology and Genetics
- Bio-computing
- Genomics
- Bioinformatics
- Systems Biology
- Genome Informatics
- Research Methodology

Mode of Teaching (may change subject to the local situation of COVID-19)

Lectures, online tutorials, projects, and workshops

Medium of Instruction

English

Period of Study

One-year full-time / Two-year part-time

Commencement Date

September (every year)

Schedule

Part-time M.Sc.*

Saturday (from 1:30pm to 6:30pm)

Full-time M.Sc.*

Please refer to the schedule shown at the website

**There are no classes on public holidays.*

Venue

Classes would mainly be held in the Chinese University of Hong Kong