Master of Science in Health Informatics
健康信息科技理學碩士

ENTRANCE REQUIREMENTS

Bachelor's degree in either a health-related discipline, information technology, engineering or applied sciences from a recognised university or its equivalent and, preferably, relevant post-qualification experience in health-related services or industries.

MODE OF STUDY

Mixed-mode
Part-time: 3 years
Full-time: 1 year

TUITION FEE

HK$4,780 per credit (Local students)
HK$5,100 per credit (Non-local students)

PROGRAMME HOST

Faculty of Health and Social Sciences

CONTRIBUTING DEPARTMENTS

Department of Applied Mathematics
Department of Applied Physics
Department of Applied Social Sciences
Department of Biomedical Engineering
Department of Computing
Department of Health Technology and Informatics
Department of Logistics and Maritime Studies
Department of Management and Marketing
Department of Rehabilitation Sciences
School of Nursing

ENQUIRIES

For academic matters

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For general admission matters

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🌐 http://fhss.polyu.edu.hk

Application & Further Information

🌐 http://www.polyu.edu.hk/study

PROGRAMME AIM

The overall aim of the programme is to offer an opportunity for health care professionals and related disciplines to develop the knowledge, understanding and competencies necessary in order to function effectively, in addition to mastering the advanced use of Information Technology skills in health care settings.

CHARACTERISTICS

The programme is the first of its kind in Hong Kong and aims to equip health care professionals together with students from health-related disciplines, information technology, engineering or related backgrounds for the advanced use of information technology skills in health care settings. The programme contents will address the needs of the health care providers and allow for introduction, re-orientation and/or conversion to a field that is of direct relevance to the students' place of employment.

PROGRAMME STRUCTURE

A range of subjects specific to knowledge management, supported by a choice of subjects and elective of common concern to all health care professions will be offered. In general, each student is required to attend one to three evenings a week over a 13-week semester depending on the study load engaged.

Students need to complete 3 compulsory subjects, 2 core subjects, 2 elective subjects, and a dissertation. They are encouraged to select dissertation topics that are relevant to their professional and personal interest.

3 Compulsory subjects (3 credits each)

- Electronic Patient Records
- Information Technology in Healthcare
- Professional Development in Health Informatics

2 Core subjects (3 credits each)

- Applied Biosignal Processing
- Artificial Intelligence Concepts
- Business Analytics
- Computer Programming for Healthcare
- Digital Imaging & PACS
- Knowledge Management for Clinical Applications
- Management Information Systems
- Project Management

2 Elective subjects (3 credits each)

- Big Data Computing
- Bioinformatics in Health Sciences
- Data Structures & Database Systems
- Health Care Ethics
- Internet Computing & Applications
- Issues in Health Sociology
- Quality Management of Health Care Services
- Research Methods & Data Analysis

The list of core and elective subjects is not exhaustive. Please refer to http://www.polyu.edu.hk/fhss/study/ postgraduate/mschi/ for details.

Dissertation* (9 credits)

* Students can choose any 3 core/elective subjects of the programme to replace the dissertation.