

## APPLICATION PROCEDURES

## 申请程序

Applicants should make their applications via the Internet  
[www.gs.cuhk.edu.hk/engineering](http://www.gs.cuhk.edu.hk/engineering)

After completing of on-line application, all required supporting documents should be mailed to the Department of Biomedical Engineering using the address below:

Room 1120, 11/F, William M.W. Mong Building,  
Department of Biomedical Engineering  
The Chinese University of Hong Kong  
Shatin Hong Kong

申请人应经互联网申请入学，  
[www.gs.cuhk.edu.hk/engineering](http://www.gs.cuhk.edu.hk/engineering)

填妥网上申请表格后，需要将有关证明文件寄往生物医学工程学系。

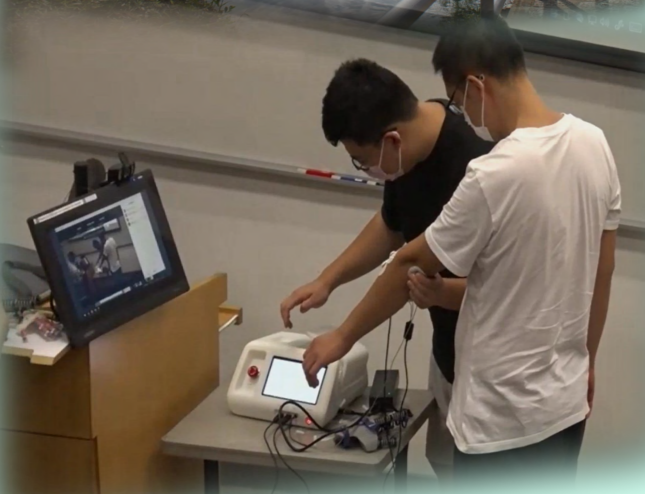
邮寄地址：香港新界沙田香港中文大学生物医学工程学系蒙民伟工程大楼 11 楼 1120 室

## APPLICATION DEADLINE

## 申请截止

End of April, Every year

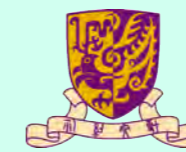
每年 4 月底



香港中文大學  
The Chinese University of Hong Kong



Department of  
Biomedical Engineering  
The Chinese University of Hong Kong



香港中文大學  
The Chinese University of Hong Kong



Department of  
Biomedical Engineering  
The Chinese University of Hong Kong



# Master of Science Programme in BIOMEDICAL ENGINEERING

## 生物医学工程学理学硕士课程

Full-time / Part-time mode  
全日制 / 兼读制



## FOR MORE INFORMATION

BME Postgraduate Admission  
Department of Biomedical Engineering  
The Chinese University of Hong Kong

Tel: (852) 3943 0853

Email: [bmemsc@cuhk.edu.hk](mailto:bmemsc@cuhk.edu.hk)

Website: [www.bme.cuhk.edu.hk/new/msc.php](http://www.bme.cuhk.edu.hk/new/msc.php)



Explore  
探索 Innovate  
创新 Care  
关怀

A joint programme by Faculty of Engineering and Faculty of Medicine  
Biomedical Engineering = Bio-Science + Medicine + Engineering



## PROGRAMME INFORMATION

## 课程概况

**BME** Biomedical Engineering is a dynamic, interdisciplinary and rapidly advancing profession that addresses the technological needs of healthcare and related areas.

With an ageing world population, especially those of Hong Kong and China, and rising demand for better disease treatments, emerging health concerns caused by modern living style and continuous expansion of new medical technologies, BME professionals have promising career prospects in hospitals, R&D of healthcare technology, medical device manufacturing and sales, and service management.

This programme offers courses that cover a range of essential topics within BME including biochemical technology, medical imaging, bioinformatics, biomechanics, bionanotechnology, rehabilitation, prosthetics, medical instrumentation and medical device regulatory affairs. Adminstrated by the Department of Biomedical Engineering, which is the first BME department established in Hong Kong, this programme is taught by faculty members from Faculty of Medicine, School of Life Sciences and Faculty of Engineering. Students are exposed to latest technical contents accumulated by practicing specialists.

**生物医学工程** (BME) 是一个综合生命科学、医学和工程学等多领域而发展起来的新兴学科，主要致力于医疗保健及相关领域的技术需求发展，是一个充满活力、发展迅速、前景光明的朝阳行业。

随著世界人口老龄化越加严重，疾病治疗标准持续提高，健康问题日益突出，使得新型医疗设备的需求不断扩大，生物医学工程专业人才在大型医院、医疗保健技术研发、医疗器械制造和销售，以及服务管理上的发展机会将得到大幅提升。

香港中文大学生物医学工程理学硕士课程是由首间在香港成立的生物医学工程学系开办。本课程邀请了来自医学院，生命科学学院和工程学院的教授授课，内容涵盖生物科学、医学及工程等重要课题，其中包括生物化学技术、生物信息学、生物力学、生物纳米技术、医学成像、康复、假肢、医疗器械及其监管等。学生可在课堂中接触到不同领域和范畴的专业人士，从而获得相关领域的最新资讯及技术能力。

## MISSION 使命

*To be the premier source of well-educated biomedical engineers in the broad fields of medical devices, biosensors, bioinformatics, biomaterials, medical biotechnologies, and to nurture future leaders in the field of biomedical engineering.*

*旨在医疗仪器、生物传感器、生物信息、生物材料、医学生物科技等广阔领域中，致力于培养一群受过良好教育和训练的生物医学工程专业人士，并助力其成为未来该领域的杰出人才及领袖。*

### 1. Qualifications for Admission:

The applicant should have:

- graduated from a recognized university and obtained a Bachelor's degree, normally with honours not lower than Second Class; or
- graduated from an honours programme of a recognized university with a Bachelor's degree, normally achieving an average grade of not lower than "B" in undergraduate courses; or
- completed a course of study in a tertiary educational institution and obtained professional or similar qualifications equivalent to an honours degree.

### 2. Additional Entry Requirements:

All applicants should fulfill the General Qualifications for Admission and the English Language Proficiency Requirement prescribed by the Graduate School. For more details, please visit the Graduate School's homepage at <https://www.gs.cuhk.edu.hk>

## ENTRY REQUIREMENT

## 录取标准

### 1. 入学要求

申请人须：

- 获得认可机构的学士学位或经批准的同等学历。平均成绩通常须为良好 (B) 或以上; 或
- 通常持有认可大学或认可院校颁授的相关工程、科学或医学学士学位; 或
- 在大专院校修毕课程，并取得相当于相关领域的荣誉学位的专业或类似资历; 或
- 其他领域的学士学位毕业，但在生物医学工程或科学技术方面有相应的经验。

### 2. 英语要求

申请人应具备以下条件之一：

- 母语为英语，或从一所教学语言为英语的学校获得学士学位 (或同等学历)
- 英语语言测试达到以下标准之一：
  - 托福-pBT：550；
  - 托福-iBT：79；
  - 雅思 (学术)：6.5；
  - GMAT：Band 21 (Verbal)

3. 符合其他有关条件，请参阅网上资料 <https://www.gs.cuhk.edu.hk>

**Non-local students who meet the entry requirements will be accepted 符合录取标准的非本地生之申请亦会被接受**

## STUDY MODE

## 学制模式

We offers both part-time and full-time mode study on Master of Science Programme in Biomedical Engineering.

生物医学工程学系提供全日制及兼读制理学硕士学位课程。

### Full-Time Mode Study

- Normative Study Period : 1 year
- Maximum Study Period: 3 years
- Tuition Fee: Two instalments of \*\*HK\$169,500

### 全日制

- 修业期通常为一年，最长不超过三年
- 整个课程学费：HK\$169,500；
- 分两期缴费，每期为 HK\$84,750

### Part-Time Mode Study

- Normative Study Period : 3 years
- Maximum Study Period: 4 years
- Tuition Fee: Five instalments of \*\*HK\$169,500

### 兼读制

- 修业期通常为三年，最长不超过四年
- 整个课程学费：HK\$169,500；
- 分五期缴费，每期为 HK\$33,900

**\*\*Students may benefit substantial tuition fee reduction up to HK\$33,000 through several award schemes based on their academic performance (Details see "PROJECT AWARD SCHEME") \*\***  
学生可通过下列奖励计划享有学费回赠最高可達 **HK\$33,000**

## PROJECT AWARD SCHEME

## 奖励计划

### Project Excellence Award 卓越专题研究奖：HK\$18,000

Students who have achieved grade B+ or above in MSc Project  
学生于专题研究学科中最终成绩达 B+或以上

### Research Excellence Award 卓越科研奖：HK\$10,000

Eligibility for Application: First author of a publication in an international peer-reviewed journal based on his/her work conducted in MSc Project (for current students or alumni within 2 years after the date of graduation)  
学生以第一作者身份在国际学术期刊中发表专题研究文章 (适用在读生或毕业 2 年内的校友)

### International Conference Scholarship 国际会议奖学金：HK\$5,000

Eligibility for Application: Acceptance of an abstract submitted as the first author to an international conference outside of Greater China Region based on the students' work conducted in MSc Project (for current students or alumni within 2 years after the date of graduation)  
学生参与国际学术会议并以第一作者身份发表专题研究摘要 (适用在读生或毕业 2 年内的校友)

## CURRICULUM STRUCTURE

## 课程结构

### COURSEWORK REQUIREMENT

### 毕业要求

*Student are required to complete a minimum of 30 units for graduation.*

*学生至少须修读三十个学分才能毕业。*

### Required Courses: 6 units

必修科目：6 学分

### Introduction to Biomedical Engineering

生物医学工程概述

### Basic Biomedical Science

基础生物医学科学

**AND**

### Elective Courses: 24 units

选修科目：24 学分

### Option A: Students may take **MSc Project + 6 taught courses**

OR

### Option B: Students may take **8 taught courses**

### MSc Project (6 units) 专题研究 (6 学分)

### Medical Devices and Sensor Networks

医疗仪器和感测器网络

### Medical Robotics

医用机器人技术与应用

### BioMEMS and Biophotonics

生物微机电系统与生物光电技术

### Bioinformatics

生物资讯学

### Virtual Medicine and Computer Aided Surgery

虚拟医学与电脑辅助手术

### Medical Imaging

医学影像学

### Biomedical Engineering Laboratories

生物医学工程实验

### Medical Device Regulatory Affairs and Intellectual Property 医疗器械规管和知识产权

### Bioelectronics and Nanotechnology

电子医疗技术

### E-Health Technologies

生物电子和纳米技术

### Tissue Engineering

组织工程学

3 units / taught course  
每门课程 3 学分

**Students are allowed to take up TWO courses (6 units) offered by:**

❖ **School of Life Sciences, CUHK;**

❖ **Division from Faculty of Engineering, CUHK;**

**(subject to approval of Divisions/Units concerned)**

**\*\*For more details, please visit our website.\*\***

学生可选修最多 2 门 (共 6 学分) 由生命科学院或工程学院属下学系所提供的选修课程 (须获有关学系批准)

**\*\*有关详情，请参阅网上资料 \*\***

\* In case there is any change of information, all announcement on the MSc Programme website are regarded as final.

\* 如有任何更改，均以网上公布资料为准