


JS4725

# Bachelor of Science in Biotechnology, Entrepreneurship and Healthcare Management

 [www.sci.cuhk.edu.hk/behm](http://www.sci.cuhk.edu.hk/behm)

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This interdisciplinary undergraduate programme is designed for talented students who would like to develop a career in biotechnology entrepreneurship, business analysis, and/or healthcare management, to capture the emerging opportunities in Hong Kong, the Greater Bay Area, and beyond. The programme brings together the Faculties of Science, Medicine, and Business Administration at The Chinese University of Hong Kong to co-develop a brand new, integrated curriculum with active learning as the core. In addition to a compilation of complementary courses in Biomedical Sciences, Business Administration, Molecular Biotechnology, and Public Health, capstone courses will be co-taught by the professors in different Faculties to upgrade students' problem-solving ability using cross-disciplinary knowledge. Opportunities of mentorships and internships from the relevant industrial, service, and venture capital sectors will be sought to allow the students to learn through connecting knowledge with real-world problems.

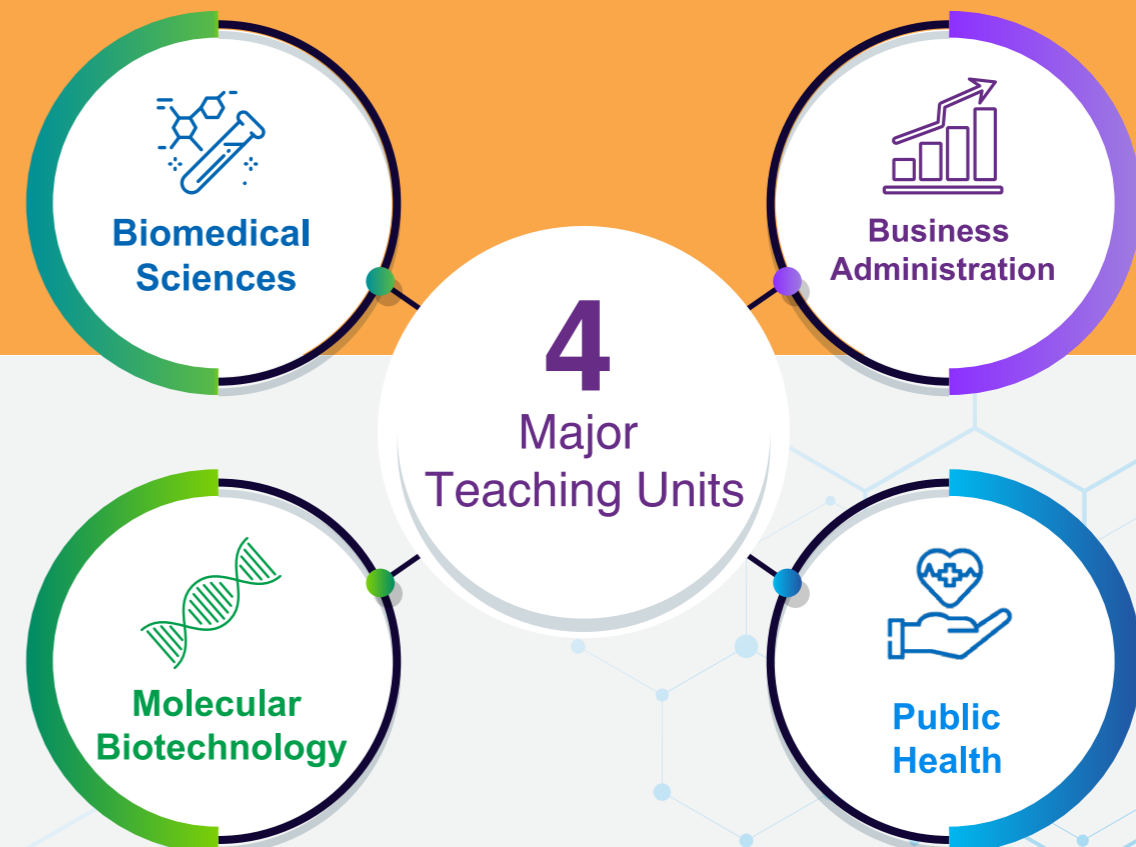
## MISSIONS

The programme aims to develop talents with a broad base of complementary knowledge, who shall demonstrate the following essential attributes:

- an entrepreneurial mindset with ground-breaking ideas to translate the advancement of biotechnology, biomedical sciences, and healthcare into commercial opportunities.
- an ability to integrate a broad base of knowledge in biotechnology, biomedical & health sciences, data analytics, and business management to provide innovative and cross-disciplinary solutions;
- an ability to communicate with collaborators of diverse backgrounds and participate in the management of healthcare operations and development.

## HIGHLIGHTS

- Cross-disciplinary training by Faculties of Science, Medicine, and Business Administration.
- Biotechnology knowledge with an emphasis on the applications on biomedical and environmental issues.
- Analytical skills to connect scientific knowledge to "real-world" business.
- Sense and skills in entrepreneurship and healthcare management.



# Curriculum

## Faculty Package

- Introduction to Biological Sciences
- Foundation Course for Health Sciences II
- Management

## Required Courses

- Introductory Financial Accounting
- Economics for Business Studies I
- Statistical Analysis for Business Decisions
- Operations Management
- Financial Management
- Introduction to Molecular Biotechnology
- Business and Social Aspects of Biotechnology
- Foundations in Public Health
- Principles of Infectious Diseases
- Health Care System and Policy
- Theories and Concepts of Health Behaviours
- Introduction to Bioethics

## 2 Concentrations

- 1) **Biotechnology Entrepreneurship and Innovation**
- 2) **Healthcare and Biomedicine Analytics**

## Capstone Courses

**Capstone Project I:** Critical analysis of existing business models and policies related to biotechnology and healthcare

**Capstone Project II:** Proposal writing on innovations in business models and policies related to biotechnology and healthcare

### 1 Active Learning

- To solidify and associate learning experience with real-world business through:
  - Group Projects
  - Mentorship
  - Internship

### 2 Strong relationship with the biomedical, biotechnology and healthcare industries

- Students shall have the valuable opportunity to be mentored by external advisors from different industries.

### 3 Academic Advisory System

- Every student is assigned an Academic Advisor, who provides academic and general advice on issues such as course selection, guided study, research opportunities and adaptation to University learning mode.

### 4 Student Exchanges

- Our students have the access to a multitude of exchange programmes, and can spend a summer, a semester, or even a full academic year abroad, like Austria, Sweden, Switzerland, Korea, etc. There are three types of exchange opportunities:
  - University-wide Exchange
  - College-based Exchange
  - Faculty/Departmental Exchange

### 5 Supports for Entrepreneurship Building

- CUHK InnoPort is the habitat for CUHK innovators and entrepreneurs, which offers various funding and incubation programmes to support entrepreneurship building, for example:
  - Startup mentorship and internship programme
  - Entrepreneurship education, boot camp and competition
  - Technology Start-up Support Scheme for Universities
  - PILOTS LITE Programme for Start-ups

# DSE Admission Requirements

## 4 Core Subjects

Level 4 in English  
Level 3 in Chinese and Mathematics  
Level 2 in Liberal Studies

## Elective Subjects

1st – Level 3 in any ONE subject from Biology or Chemistry  
2nd – Level 3 in any ONE subject in Category A or Category C

## Selection Principle

Best 5 subjects

## Bonus Point Arrangement

The 6th and 7th subjects and good interview performance may have bonus scores

# Career Prospects

The interdisciplinary education affords students a plethora of career opportunities in the fields of biotechnology, medical science, public health and business:

- Leaders in the start-ups in advanced life science, health-technology, and environment solutions
- Business consultants and analysts for science and technology firms
- Management in healthcare and medical institutes

致新聞編輯

請即發布

### 香港中文大學開辦生物科技、創業與醫療管理理學學士新課程 (JS4725)

香港·2021年11月19日 — 為配合香港發展成國際創科中心的機遇，以及全球對更優質醫療管理的需求，香港中文大學理學院、醫學院以及商學院合辦一個全新的綜合課程：生物科技、創業與醫療管理理學學士，旨在培養新一代具企業家創新思維、能分析及整合廣泛科技訊息，並有醫療管理訓練的人才。

此課程匯集了香港中文大學的理學院、醫學院和商學院的力量，共同開發以主動學習為核心的課程。內容包括分子生物技術、生物醫學科學、公共衛生和工商管理重點知識。

除了傳統授課，還會通過自選課題研習來實踐自主學習，內容包括生物科技與醫療商業及政策分析、商業計劃書和政策建議書撰寫等。這總結課程將由不同學院的教授共同任教，利用跨學科知識提升學生解決社會實際問題的能力。課程亦已邀請業界人士擔任學生校外導師，並聯繫相關的工業、服務和風險投資機構，提供實習機會，讓學生能將知識與現實問題聯繫。

課程旨在培養能融會貫通廣泛知識的人才，具備以下基本條件：（一）具有開創性想法的企業家思維，可以為生物科技、生物醫學科學和醫療保健轉化為商機；（二）能夠整合生物科技、生物醫學和健康科學、數據分析和業務管理的廣泛知識，以提供創新和跨學科的解決方案；（三）能夠與不同背景的合作者溝通，並參與管理醫療保健的營運和發展。

完成培訓的學生，將會成為先進生命科學、健康技術和環境解決方案領域的初創企業領軍人物，科創企業的商業顧問及分析師，或是參與醫療保健和醫療機構的管理人員。

詳情請參閱香港中文大學理學院網頁 [www.sci.cuhk.edu.hk/behm](http://www.sci.cuhk.edu.hk/behm)。

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