

## Curriculum 課程內容

### Core Courses 核心課程

Analytical Process and Applied Statistics  
分析過程與應用統計學

Applied Spectroscopy  
應用光譜學

Atomic Spectrometry  
原子光譜學

Chemical Instrumentation  
化學儀器分析

Laboratory Management  
實驗室管理

Separation Science  
分離分析學

Advanced Analytical Laboratories  
先進分析實驗室

MSc Dissertation Project  
學位論文

Seminars  
講座

### Elective Courses 選修課程

Biomedical Analysis  
生物醫學分析

Environmental Analysis  
環境分析

Food Nutrient Analysis  
食品營養成分分析

Food Safety Analysis  
食品安全分析

Forensic Analysis  
法證鑑定

Nanomaterial Analysis  
納米材料分析

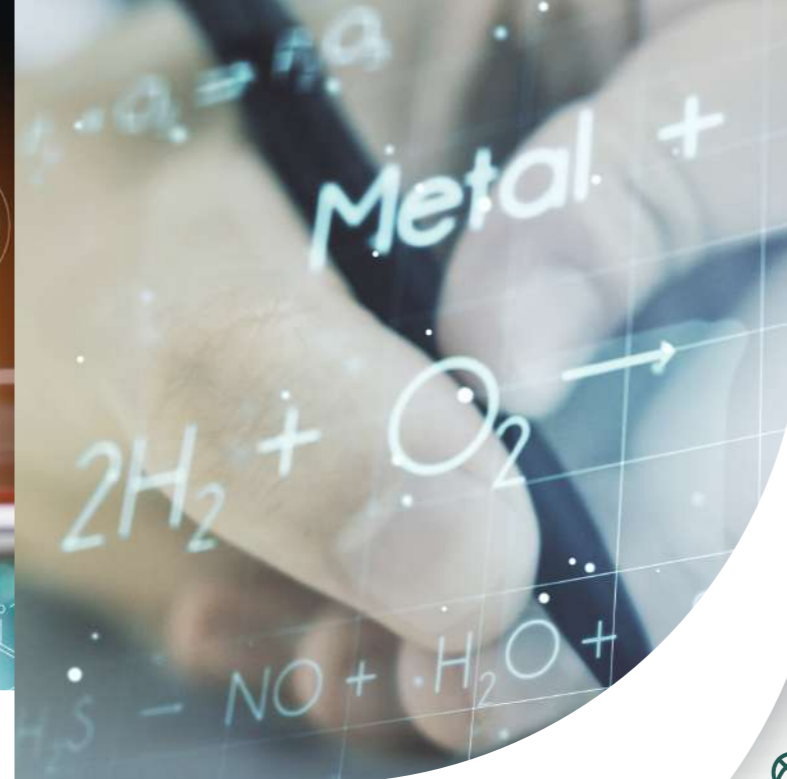
Pharmaceutical Analysis  
藥物分析

Sample Pretreatment Methods  
樣品處理方法

Surface Analysis  
表面分析

Programme Team  
師資隊伍

Research Facilities  
實驗室設備



## Exchange Opportunities 交換生計劃

This programme has been collaborating with the European School of Chemistry, Polymers and Materials Science (ECPM) at the University of Strasbourg. Students can study abroad in France for 1 semester to gain international exposure and cross-cultural learning experience.

This programme has been accredited by the Royal Society of Chemistry. Students can take part in the 6-10 week research placement at an accredited university in the United Kingdom or Ireland to gain overseas research experience.

此課程與斯特拉斯堡大學的歐洲化學、聚合物與材料學院 (ECPM) 合作，同學可在法國留學1個學期，獲得國際視野和跨文化學習經驗。

此課程獲得英國皇家化學協會 (RSC) 認證，同學可在英國或愛爾蘭參與一個為期6-10個星期的研究實習，獲得海外研習經驗。

## Mode of Operation 修課模式

**Full-time:** 1 year Lectures in 4 evenings per week  
Lab work on weekday morning and afternoon

**Part-time:** 2 years Lectures in 2 evenings per week  
Lab work on Saturday morning and afternoon

**Tuition Fee:** HK\$140,000 (local students); HK\$150,000 (non-local students)

**Scholarship:** "Prof. Huie, Carmen Wah-Kit Memorial Scholarship" & "Overseas Scholarship" - for full-time students with good entrance academic qualification  
"Merit Award" - for students with good academic performance in the study  
"Exchange Scholarship" - for students participating in the exchange study

**全日制:** 1年 每星期共4個晚上理論課  
星期一至五上下午實驗課和專題研習

**兼讀制:** 2年 每星期共2-3個晚上理論課  
星期六上下午實驗課和專題研習

**學費:** 港幣14萬 (本地學生) ; 港幣15萬 (非本地學生)

**獎學金:** 本科成績優秀的全日制學生可於入學時獲得「許華傑教授紀念獎學金」或「海外獎學金」  
在課程學習中表現傑出的同學可獲得「學習優秀獎學金」  
在課程學習中參與交換生計劃的同學可獲得「交換生獎學金」

## Entrance Requirements 入學要求

B.Sc. (Hons). degree in Chemistry or in other Physical and Life Sciences or equivalent; and English proficiency is required.

化學或其他相關理學學士學位或同等學歷；申請人亦需達到特定的英語水平。

Entrance Details  
入學細節



## Professional Certification 專業認證

This programme has been recognized by the Hong Kong Association for Testing, Inspection, and Certification (HKTIC). It is the first & only MSc programme recognized by HKTIC thus far. Graduates with 1 year work experience are eligible to apply for Certified Testing Professional (CTP) in Chemical Testing which is a widely recognized professional status by the local testing laboratories, companies, and industries within the field. Graduates will be exempted from all additional written examinations, but merely attend a professional interview for certification.

This programme has also been accredited by the Royal Society of Chemistry (RSC). It is the first & only MSc programme and is one of the eleven MSc programmes in Analytical Sciences accredited in Hong Kong and worldwide, respectively. Graduates fully satisfy the academic requirement for the award of Chartered Chemist (CChem). It is a professional status that is internationally recognized within the field of chemical sciences.

此課程是全港首個及唯一獲香港測檢認證協會(HKTIC)認可的碩士課程。畢業生只需要1年相關工作經驗，即合資格申請化學測試檢測專業人員認證(CTP)。此認證廣獲行內化驗所、公司和企業認可。畢業生更獲豁免筆試，只需參加專業面試便能獲取認證。

此課程是全港首個及唯一獲英國皇家化學協會(RSC)認證的碩士課程，亦是全球11個獲認證的分析化學碩士課程之一。畢業生即滿足了申請特許化驗師(CChem)的學術要求。此專業資格在化學科學領域得到國際認可。

*Disclaimer: The awards of CTP and CChem are subject to the respective awarding bodies HKTIC and RSC, respectively.*

## Words from Our Alumni 校友心聲

"I really enjoy my study life as all the teachers are attentive and willing to help students. This MSc programme is useful and practical that I can now apply the knowledge and skills learnt at work."

**Issac Song (2019)**  
(Associate Chemist, UL)

"This MSc programme is very useful as it covers theories and practical exercises of different analytical techniques."

**Eva Lam (2020)**  
(Laboratory Technician, Water Supplies Department)

"This MSc programme provides various opportunities for hands-on experience in operating many different instruments, so I am already familiar with the instruments as I continue my further studies."

**Meek Yang (2019)**  
(PhD student, Georgia State University)

"In this MSc programme, I have gained various practical knowledge from the laboratory classes and the dissertation project. Those experience has made us capable to work independently in the future."

**Toby Liu (2022)**  
(Assistant Quality Control Chemist, Europharm Laboratories (Hong Kong) Co., Ltd.)

"I have learnt a lot about chromatography and mass spectrometry in this programme, from sample preparation to analysis, which is very useful and helps me a lot in my workplace."

**Julia Chan (2020)**  
(Associate Medical Technologist, Hospital Authority)

"Honored with a title of being a student of this master's degree, I have been granted an edge over other competitors in the industry. The analytical skills, the techniques in operating various testing instruments along with the knowledge of air pollutants equipped by this MSc programme have also strengthened my capability and made me advance in working performance."

**Corrine Au (2022)**  
(Museum Research Assistant, Conservation Office)

## Enquiries 查詢

### For admission and application, contact TPG Admissions

有關入學申請的查詢，請聯繫教務處授課型研究生招生組

Email 電郵: [hkbu\\_tpg@hkbu.edu.hk](mailto:hkbu_tpg@hkbu.edu.hk)

Website 網址:

<http://ar.hkbu.edu.hk/tpg-admissions/programmes>

### For programme information, contact Department of Chemistry

有關課程的查詢，請聯繫化學系

Tel 電話: (852) 3411 2407

Email 電郵: [analchem@hkbu.edu.hk](mailto:analchem@hkbu.edu.hk)

Website 網址: <http://chem.hkbu.edu.hk/msc/>

# 分析化學理學碩士

# MSc in ANALYTICAL CHEMISTRY



## Introduction 課程簡介

With a growing demand in the professional requirements of people engaged in the Testing and Certification industry, since 1992, the Chemistry Department at Hong Kong Baptist University has been offering a popular and successful taught MSc programme in Analytical Chemistry to provide training relevant to the needs of public and industrial laboratories as well as research organizations.

This programme has the longest history and experience in Hong Kong and Asia-Pacific region. By a combination of taught courses, structured laboratory works, and supervised research, graduates gain in-depth knowledge of the theoretical principles of modern physico-chemical techniques of chemical analysis and are able to apply their knowledge critically to solve real-world analytical problems.

隨著社會對從事檢測和認證行業人士的專業要求不斷提高，香港浸會大學化學系於1992年開始一直開辦一個授課式的分析化學理學碩士課程，為公營及私營化驗所、工業實驗室和科研機構等培訓分析化學專業人材。

此課程是香港和亞太地區中歷史最悠久的同類課程，結合理論學習、實驗課和專題研習，讓同學能深入掌握現代化學分析方法的原理，同時能將這些知識應用去解決實際工作上的問題。



Programme Website  
課程網址

