

## Professional Certification 专业认证

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 the 6th MSc programme 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.

此课程是全港首个及唯一获香港测检认证协会 (HKTIC) 认可的硕士课程。毕业生只需要1年相关工作经验，即合资格申请化学测试检测专业人员认证 (CTP)。此认证广获行内化验所、公司和企业认可。毕业生更获豁免笔试，只需参加专业面试便能获取认证。

此课程是全港首个及唯一获英国皇家化学协会 (RSC) 认证的硕士课程，亦是全球第 6 个获认证的分析化学硕士课程。毕业生即满足了申请特许化验师 (CChem) 的学术要求。此专业资格在化学科学领域得到国际认可。

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

## Words from Our Alumni 校友心声

“This MSc programme has strengthened my knowledge significantly including instrumentation and experimental designs. This experience is a milestone towards my further PhD degree.”

— **Chi-Hang Chow (2015)**  
(Scientific Officer,  
PolyU)

“I gained not only theoretical knowledge, but also practical experience from the study. This MSc programme is well-known in the industry which offers me more opportunities in my career path.”

— **Sally Pang (2017)**  
(Chemist,  
Material Tech Company Limited)

“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 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)

“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)

“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)

## Enquiries 查询

For admission and application, contact Office of Graduate School 有关入学申请的资讯，请联系

**大学研究院办公室**

☎ : (852) 34115127

☎ : (852) 34115133

✉ : hkb\_u\_tpg@hkbu.edu.hk

For information on the programme, contact Department of Chemistry 有关课程的资讯，请联系

**化学系**

☎ : (852) 34117063

☎ : (852) 34117348

✉ : analchem@hkbu.edu.hk



香港浸會大學  
HONG KONG BAPTIST UNIVERSITY



DEPARTMENT  
of  
CHEMISTRY



# 分析化学理学硕士 MSc in Analytical Chemistry



ROYAL SOCIETY  
OF CHEMISTRY

ACCREDITED  
DEGREE

## Introduction 课程简介

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.

随著社会对从事检测和认证行业人士的专业要求不断提高，香港浸会大学化学系于1992年开始一直开辦一个修课式的分析化学理科硕士课程，为公营及私营化检所、工业实验室和科研机构等培训分析化学专业人才。

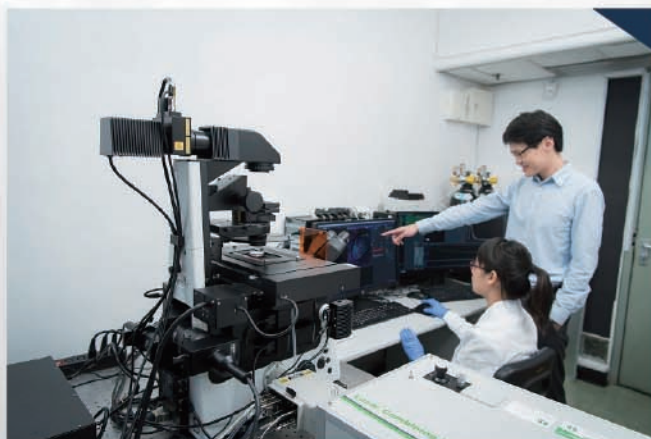
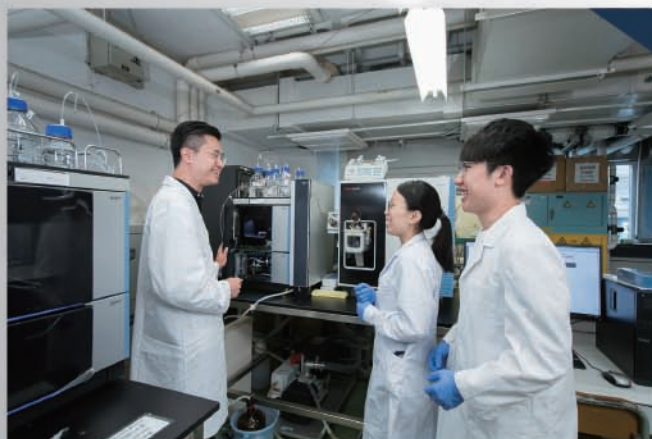
此课程是香港和亚太地区中历史最悠久的同类课程，结合理论学习、实验课和专题研习，让同学能深入掌握现代化学分析方法的原理，同时能将这些知识应用去解决实际工作上的问题。



Programme Website  
课程网址







## Curriculum 课程内容

### Core Courses

Analytical Process and Applied Statistics  
分析过程与应用统计学

Analytical Spectroscopy  
分析光谱学

Chemical Instrumentation  
化学仪器分析

Laboratory Management  
实验室管理

Separation Science  
分离分析学

Advanced Analytical Laboratories  
先进分析实验课

Seminars  
讲座

MSc Dissertation Project  
学位论文

### Elective Courses

Bioanalysis  
生物分析

Chemosensor and Biosensor  
化学与生物感测器

Electroanalytical Chemistry  
电分析化学

Environmental Analysis & Monitoring  
环境分析和监测

Food Analysis  
食品分析

Food Microbiology for Chemists  
食品微生物学

Forensic Analysis  
法证分析

Mass Spectrometric Analysis  
质谱分析法

Nanomaterial Analysis  
纳米材料分析

Pharmaceutical and TCM Analysis  
药物及中药分析

Sample Pretreatment Methods  
样品处理方法

Surface Analysis  
表面分析

## Mode of Operation 修课模式

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\$120,000	
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 个晚上 理论课 星期一至五上下午 实验课 和 专题研习
兼读制:	2 年	每星期共 2 个晚上 理论课 星期六上下午 实验课 和 专题研习
学费:	港币 12 万	
奖学金:	本科成绩优秀的全日制学生可于入学时获得“许华杰教授纪念奖学金”或 “海外奖学金” 在课程学习中表现杰出的同学可获得“学习优秀奖” 在课程学习中参与交换生计划的同學可获得“交换生奖学金”	

## Exchange Opportunity 交换生计划

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.

此课程与斯特拉斯堡大学的欧洲化学、聚合物与材料学院 (ECPM) 合作，同学可在法国留学 1 个学期，获得国际视野和跨文化学习经验。

此课程获得英国皇家化学协会 (RSC) 认证，同学可在英国或爱尔兰参与一个为期 6-10 个星期的研究实习，获得海外研习经验。

## Entrance Requirements 入学要求

B.Sc. (Hons). degree in Chemistry or in other Physical and Life Sciences or equivalent; and English proficiency is required.  
化学或其他相关理学学士学位或同等学历；申请人亦需要满足特定的英语水平。

Entrance Details  
入学细节



Programme  
Team  
师资队伍



Research  
Facilities  
实验室设备

