

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 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.

此课程是全港首个及唯一获香港测试认证协会 (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)。此认证广受行内化验所、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11个获认证的分析化学硕士课程之一。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

"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 查询

For admission and application, contact the Graduate School

有关入学申请的查询，请联系大学研究院

Tel 电话: (852) 3411 5127

Email 电邮: hkbu_tpg@hkbu.edu.hk

Website 网址: <http://gs.hkbu.edu.hk/>

For programme information, contact Department of Chemistry

有关课程的查询，请联系化学系

Tel 电话: (852) 3411 2407

Email 电邮: analchem@hkbu.edu.hk

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

 香港浸會大學
HONG KONG BAPTIST UNIVERSITY

 DEPARTMENT
of
CHEMISTRY

分析化學理學碩士

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.

隨著社會對從事檢測和認證行業人士的专业要求不斷提高，香港浸會大學化學系於1992年開始一直開辦一個修課式的分析化學理學碩士課程，為公營及私營化驗所、工業實驗室和科研机构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



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

Programme Team
师资队伍

Research Facilities
实验室设备



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\$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14万 (本地学生); 港币15万 (非本地学生)

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”

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; 申请人亦需达到特定的英语水平。

Entrance Details
入学细节



Exchange Opportunities 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。