Department of Chemistry
香港城市大學
City University of Hong Kong

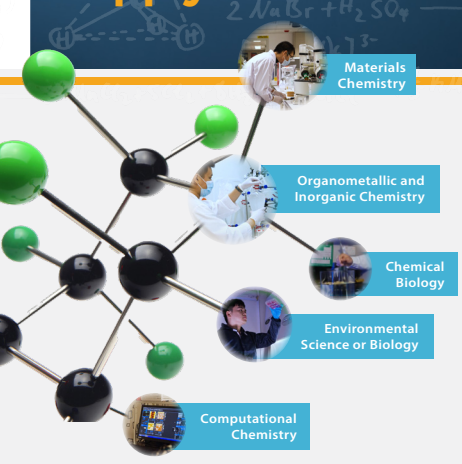
Master of Science in CHEMISTRY

Broad-spectrum *R&D training in* ***Chemistry*** *&* ***Molecular*** *Sciences;*

NEW
Elective Courses For 2024/25

- Nurturing students with heavy research component
- Fostering publishable student research
- Highly competitive research works
- Postgraduate research symposium

Apply NOW!



Aims

The Master of Science in Chemistry programme aims to train and produce graduates with highly marketable research skills and experiences in a wide variety of advanced chemistry disciplines to meet local, regional and global demands for R&D specialists in the industrial, commercial, and government sectors. Graduates are also eligible for pursuing higher research degrees in local and overseas universities and research institutes.

Features and Advantages

This programme consists of lectures, seminars and thesis research, with an emphasis on requiring students to conduct independent research, participate in scientific conferences/seminars and complete dissertations. The specialized courses cover a wide variety of advanced chemistry disciplines, including catalysis, synthetic chemistry, materials & biomaterials chemistry, analytical & bio-analytical science, computational chemistry, environmental chemistry and chemical biology.

Programme Structure

Students are required to complete 30 credit units, including core courses (15 credit units) and elective courses (15 credit units).

Courses

Core Courses (15 credit units)

Code	Course Name	Credit
CHEM6118	Advanced Chemical Instrumentation	3
CHEM6119	Frontiers in Chemical Biology	3
CHEM6121	Academic and Industrial Research, Development and Innovation	3
CHEM6125	Selected Topics in Chemistry & Molecular Sciences	3
CHEM6126	Advanced Seminar Series	3

NEW Elective Courses (15 credit units)

	Code	Course Name	Credit
NEW	CHEM6114	Food Processing and Food Chemistry	3
	CHEM6123	Postgraduate Symposium	1
	CHEM6127	Dissertation	14
NEW	CHEM6128	Environmental Health & Risk Assessment	3
NEW	CHEM6129	Advanced Directed Studies	6
NEW	CHEM6130	Cosmetic Product Development and Formulation	3
NEW	CHEM6131	Frontiers in Modern Synthetic Chemistry	3
NEW	CHEM6132	Frontiers in Sustainable Energy Conversion and Storage	3
NEW	CHEM6133	Advanced Entrepreneurship Programme in Chemistry	3

Apply NOW!

Admission Requirements / Programme Fee

https://www.cityu.edu.hk/pg/programme/p67

Application Procedures

Admissions to Taught Postgraduate Programmes in 2024/25 are now opening for applications.
For details, please visit:

Application Deadline

31 May 2024

Duration of Programme

Full-time: 1 year;
Part-time / Combined mode: 2 years

Language of Instruction

English

MSc Programme Video

https://www.youtube.com/watch?v=H-DW62Oy6KQ

Department of Chemistry
香港城市大學
City University of Hong Kong

chem.enquiry@cityu.edu.hk
www.cityu.edu.hk/chem
+852 3442-7404
香港城大研創

CityU 化學系
香港城市大學
City University of Hong Kong

Master of Science in CHEMISTRY
理学硕士（化学）

广泛的学习范围
专业的化学研究
与开发培训

2024/25学年 **崭新** 选修课程

- 培养具有深厚研究技能和经验的学生
- 促进可发表的学生研究
- 极具竞争力的研究成果
- 研究生研讨会

立即申请！

课程宗旨

香港城市大学化学理学硕士课程的目标是培养具有高度市场化研究技能和深造经验的毕业生，服务于产业发展的优势和聚焦领域，满足各行各业的迫切需求。毕业生亦可申请大学和研究机构攻读更高的研究学位。

课程特色和优势

化学理学硕士以修课、学术讲座和论文研究为主，重点在于要求学生进行独立研究、参加研究学术会议及完成学位论文。专修领域课程涵盖多个前沿学科，如催化、合成化学、材料化学、生物材料、分析与生物分析科学、计算化学、环境化学和化学生物学等。

课程结构

学生必须完成30个学分，其中必修课程15个学分，选修课程15个学分。

课程

必修课程（15个学分）

学科编号	学科名称	学分
CHEM6118	先进化学仪器 Advanced Chemical Instrumentation	3
CHEM6119	化学生物学前沿 Frontiers in Chemical Biology	3
CHEM6121	学术和产业研究、开发与创新 Academic and Industrial Research, Development and Innovation	3
CHEM6125	化学与分子科学主题讲座 Selected Topics in Chemistry & Molecular Sciences	3
CHEM6126	高级学术报告会系列 Advanced Seminar Series	3

NEW 选修课程（15个学分）

学科编号	学科名称	学分
NEW CHEM6114	食品加工及食品化学 Food Processing and Food Chemistry	3
CHEM6123	研究生学术会议 Postgraduate Symposium	1
CHEM6127	硕士学位论文 Dissertation	14
NEW CHEM6128	环境健康与风险评估 Environmental Health & Risk Assessment	3
NEW CHEM6129	化学高等研究 Advanced Directed Studies	6
NEW CHEM6130	化妆品产品开发与配方设计 Cosmetic Product Development and Formulation	3
NEW CHEM6131	现代合成化学前沿 Frontiers in Modern Synthetic Chemistry	3
NEW CHEM6132	可持续能源转换与存储前沿进展 Frontiers in Sustainable Energy Conversion and Storage	3
NEW CHEM6133	化学创新创业高等课程 Advanced Entrepreneurship Programme in Chemistry	3

立即申请！

入学要求及相关资料 / 学费

https://www.cityu.edu.hk/pg/programme/p67

申请办法

香港城市大学现已接受2024-25年度硕士申请，具体请见：

申请截止日期

2024年5月31日

学制

全日制：一年；兼读制：两年

教学、评估及论文报告语言

英语

硕士课程介绍视频

https://www.youtube.com/watch?v=H-DW62Oy6KQ

CityU 化學系
香港城市大學
City University of Hong Kong

chem.enquiry@cityu.edu.hk www.cityu.edu.hk/chem +852 3442-7404
香港城大研創