



Department of Chemistry

香港城市大學
City University of Hong Kong

Master of Science in **CHEMISTRY**

Unlock your Advanced **R&D Skills**
in **Chemistry & Molecular Sciences**
in the **Asian Century**



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/Advanced Directed Studies. 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 (Medium of Instruction: English)

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

Elective Courses (15 credit units)

Code	Course Name	Credit
CHEM6114	Food Processing and Food Chemistry	3
CHEM6123	Postgraduate Symposium	1
CHEM6127	Dissertation	14
CHEM6128	Environmental Health & Risk Assessment	3
CHEM6129	Advanced Directed Studies	6
CHEM6130	Cosmetic Product Development and Formulation	3
CHEM6131	Frontiers in Modern Synthetic Chemistry	3
CHEM6132	Frontiers in Sustainable Energy Conversion and Storage	3
CHEM6133	Advanced Entrepreneurship Programme in Chemistry	3
CHEM6134	AI for Chemistry	3



Admission Requirements / Programme Fee

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

Application Procedures

Admissions to the Master's Programme in 2026/27 are now opening for applications. For details, please visit:



Application Deadline

31 March 2026

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>



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