



Department of Chemistry

香港城市大學  
City University of Hong Kong

# Master of Science in **CHEMISTRY**

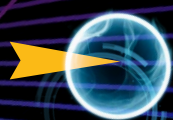
Unlock your Advanced **R&D Skills**  
in **Chemistry & Molecular Sciences**  
in the **Asian Century**



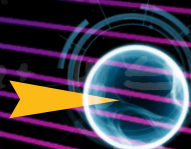
Nurturing students  
with **heavy research**  
**component**



Fostering **publishable**  
**student research**



Postgraduate  
**research symposium**



**Highly competitive**  
research works



## Apply NOW!



Application  
Details



Discovering Master  
Programme





## 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



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