



Department of Chemistry

香港城市大學
City University of Hong Kong

**Heavy research
component**

**Fostering publishable
student research**

**Highly competitive
research works**

**Postgraduate research
symposium**

Master of Science in **CHEMISTRY**

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

Apply NOW!

Aims

This 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 cosmetic chemistry, 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), including at least 6 credit units of Group A electives.

For the Cosmetic Chemistry Stream*, students are required to complete 30 credit units, including core courses (15 credit units), stream core courses (6 credit units), stream electives (6 credit units) and common electives in Group B (3 credit units).

**Subject to approval*

Courses (Medium of Instruction: English)

1. Programme Core Courses (15 credit units)

Course Code	Course Title	Credit Units
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

2. Cosmetic Chemistry Stream Core Courses (6 credit units)*

Course Code	Course Title	Credit Units
CHEM6130	Cosmetic Product Development and Formulation	3
CHEM6135	Cosmetic Science Management and Evaluation	3

3. Programme Electives

(15 credit units, Cosmetic Chemistry Stream: 3 credit units)

Group A (at least 6 credit units) – *For Non-stream ONLY*

Course Code	Course Title	Credit Units
CHEM6127	Dissertation	14
CHEM6129	Advanced Directed Studies	6

Group B – Common Electives

Course Code	Course Title	Credit Units
CHEM6114	Food Processing and Food Chemistry	3
CHEM6123	Postgraduate Symposium	1
CHEM6128	Environmental Health & Risk Assessment	3
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

[^] *Cosmetic Chemistry Stream students cannot select the same course as a Core Course and an Elective.*

4. Cosmetic Chemistry Stream Electives (6 credit units)

– *For Cosmetic Chemistry Stream ONLY**

Course Code	Course Title	Credit Units
CHEM6136	Applied Cosmetic Project Studies	6
CHEM6137	Cosmetic Internship/Placement	3
CHEM6138	Selected Topics in Cosmetic Chemistry	3

**Subject to approval.*

Admission Requirements / Programme Fee



Application Procedures

Admissions to Taught Postgraduate Programmes in 2027/28 are now opening for applications. For details, please visit:



Application Deadline

31 March 2027

Duration of Programme

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

Medium of Instruction

English

Contact Us

✉ chem.enquiry@cityu.edu.hk

☎ +852 3442-7404

🌐 www.cityu.edu.hk/chem