

Admission Requirements

JUPAS

Applicants must satisfy the **University General Entrance Requirements AND the Programme-specific Entrance Requirements:**

Applicants with Hong Kong Diploma of Secondary Education (HKDSE) Qualification.
Admission Code: JS1202



Admission Score Formula

Sum of (Subject Level Point x Subject Weighting)

- No. of Subjects Calculated: **Best 4 Subjects**
- Subject Level Point Conversion:
 - Level 5** = 7
 - Level 5* = 6
 - Level 5 = 5
 - Level 4 = 4
 - Level 3 = 3
 - Level 2 = 2
 - Level 1 = 1
- 2 15 1 = Subject Weighting**

Notes:

- Besides Category A elective subjects, Mathematics extended modules (M1/M2) and "other languages" (at grade E or above) can also be used to meet the elective requirement. If students take both M1 and M2, they are counted as one subject only.
- Category B-Applied Learning (ApL) Subjects are not counted as elective subjects.
- For details of the alternative Chinese Language qualifications acceptable by the University for Non-Chinese Speaking (NCS) students, please refer to the Admissions Office's website.

Flexible Admissions Arrangement

Applicants who attain excellent overall results in HKDSE but slightly fall short of the programme entrance requirements may still be considered for admission. More information will be released in July 2025.

Direct / Non-JUPAS Applications

Applicants who hold qualifications other than HKDSE examination results such as General Certificate of Education Advanced Level (GCE A-level), an International Baccalaureate (IB) Diploma, a sub-degree or an overseas qualification.

*Applicants may refer to the Admissions Office's website for more details regarding the admission arrangements and requirements:



Admission to First-year Studies (Normative 4-year degree)

Admission Code: 1202

Applicants holding a school-leaving qualification or a partially completed sub-degree qualification may apply for admission to first-year studies in BSc Chemistry.

Advanced Standings I and II

Admission Code: 1523A

Applicants holding a 13-year school-leaving qualification, an IB Diploma and GCE A-level or Bachelor's Degree may apply for admission to first-year studies in BSc Chemistry, or admission to BSc Chemistry with Advanced Standing I (non-senior year).

Applicants holding an Associate Degree, Higher Diploma or equivalent qualifications may apply for admission to first-year studies, Advanced Standing I or Advanced Standing II in BSc Chemistry.

Non-Local Qualifications

Most school-leaving qualifications accepted for university entry are recognised. Applicants whose entrance qualifications were obtained in a language other than English will need a satisfactory TOEFL score ≥ 79 (Internet-Based Test), an overall IELTS band score ≥ 6.5 (Academic Module), or other acceptable English qualifications.

Mature Age Application

Mature local applicants are eligible to apply for admission to first-year studies even if they do not satisfy any of the above requirements. Mature applicants must be over the age of 25 by 1 September of the year of admission and be able to demonstrate their aptitude and suitability for study.



Department of Chemistry

香港城市大學
City University of Hong Kong

BSc Chemistry

[Streams: Comprehensive Chemistry / Cosmetic Chemistry / Forensic Chemistry / Global Research Enrichment and Technopreneurship (GREAT)]

理學士(化學)

(專修: 綜合化學 / 化妝品化學 / 鑑證化學 / 環球精研與科創)

JUPAS Code

JS1202

Non-JUPAS Code

1202

Study Level:

Bachelor's Degree

Mode of Study:

Full-time

Duration of Study:

4 years

Targeted Intake:

~50

Funding Category:

UGC-funded

Our Target

This major integrates theory and practice. By focusing on the application of knowledge, it helps students to understand important scientific issues, current technologies and future challenges in the context of local, regional and global needs. Most of the courses include a lab component that complements the lectures and tutorials and enables students to acquire hands-on experience in preparation for their future employment or further studies.

Enquiries:

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🌐 <https://www.cityu.edu.hk/chem/>

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Curriculum Journey

YEAR 01

- University's gateway education requirements
- Foundation courses in general chemistry and related laboratory skills training

YEAR 02

- Core/elective courses in Inorganic, Organic, Physical and Analytical Chemistry
- Directed research project during summer

YEAR 03

- Advanced elective courses in Inorganic, Organic, Physical and Analytical Chemistry
- Local or overseas internships
- Exchange programmes

YEAR 04

- Advanced elective courses
- Final-year research project to learn and practice on your own-choice topic

Earn 2 Degrees

Talented students can complete two degrees with an accelerated pace by selecting:

Undergraduate plus Master's Degree Programme

Eligible entrants are given an offer into the undergraduate programme, plus a conditional offer into the self-financing Master's programme. Upon successfully completing the undergraduate plus Master's degrees, students would receive two separate degrees, i.e. Bachelor of Science (BSc) and Master of Science (MSc).



Joint Bachelor's Degree Programme with the University of Manchester

CityUHK CHEM students are eligible for an international undergraduate experience with the Department of Chemistry at The University of Manchester (UoM), the home of nine Chemistry Nobel prize winners. Students will spend two years at CityUHK and two years at UoM. Upon completion of the curriculum, they will earn two separate bachelor's degrees - CityUHK and UoM.



What You Will Be Studying?

Our undergraduate major, BSc in Chemistry, offers core courses covering foundational topics in analytical chemistry, inorganic chemistry, organic chemistry and physical chemistry. It also includes a wide range of electives on current and emerging areas in chemical science. Students can specialize in one of the streams to attain the necessary knowledge and skills, which can be applied in the real-life:

Comprehensive Chemistry



This stream provides students with a broad and balanced appreciation of key chemical concepts, a range of practical skills to work safely in the laboratory and the ability to apply standard methodology to the solution of problems in chemistry. It is accredited by the Royal Society of Chemistry (RSC).



Cosmetic Chemistry



In cooperation with the Hong Kong Society of Cosmetic Chemists, this stream provides students with a solid foundation, in-depth knowledge and professional training in the area of cosmetic chemistry. It aims to nurture graduates interested in pursuing a career in the cosmetic industry.

Forensic Chemistry



This stream introduces students to the fascinating world in which chemistry is used in crime solving. It will provide an in-depth and professional training in forensic chemistry. This stream will not only prepare students for a career in forensic sciences, it is also suitable for students who are interested in other areas of applied chemistry.

GREAT

Global Research Enrichment and Technopreneurship



GREAT is a 4-Year undergraduate option introduced in 2021/2022. It aims to nurture students who are interested in pursuing a career in scientific research or starting business ventures that involve the use of new scientific discoveries and innovative technologies. After the first-year studies at College of Science, students can choose the research-oriented GREAT stream offered by the Department of Chemistry.

Enhancing Your Learning

On top of the academic curriculum, we will take you out of the classroom, to a multitude of enrichment activities ranging from short events such as company visits, career talks and seminars by distinguished speakers, to research placement, local / overseas internships and exchange programmes that can last up to a year. These activities will develop your critical thinking and communication skills, enhance your depth of knowledge, and let you see the world!



Global Exposure

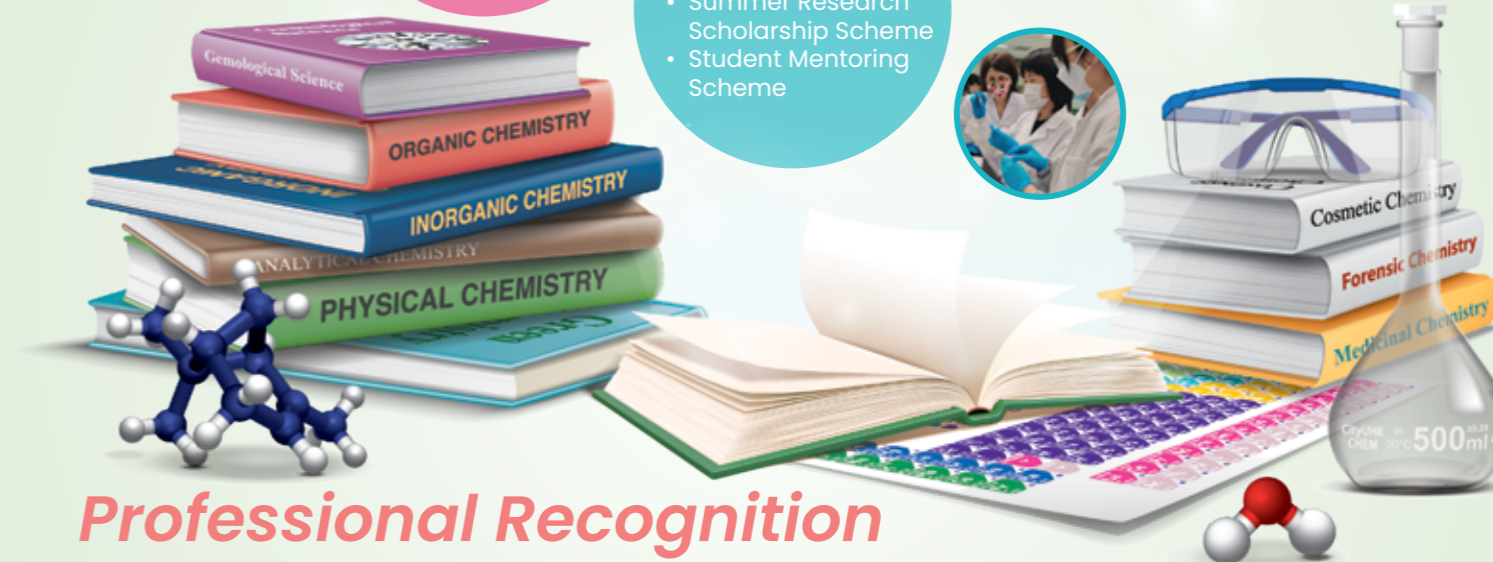
- Student Exchange Programme
- Study Tours
- Competitions

On-campus Learning

- Campus Internship Scheme (CIS)
- Summer Research Scholarship Scheme
- Student Mentoring Scheme

Internship / Placement

- Industrial Attachment Scheme (IAS)
- Overseas Internship Scheme (OIS)
- Summer Research Placement Scheme



Professional Recognition

Graduates are eligible to apply for:

<p>Full Membership of the American Chemical Society</p>	<p>Associate Membership of the Royal Society of Chemistry</p>	<p>Student Membership of the Royal Australian Chemical Institute</p>	<p>Full Membership of the Chemical Institute of Canada</p>	<p>Membership of the Canadian Society for Chemistry</p>	<p>Full Membership of the Hong Kong Chemical Society</p>
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* Department of Chemistry is not involved in the membership application procedures. Students are requested to check with the above-mentioned organizations for the most updated and detailed requirements.

Career Prospects

Ch Chemists	Ps Postgraduate students in local & overseas universities	Pha Pharmaceutical Manufacturing	R&D Research & Development	QA Quality Assurance / Management Chemists	AC Analytical Chemists
EPO Assistant Environmental Protection Officers	Te Secondary School Teachers	CM Traditional Chinese Herbal Medicine	TO Technical Officers	ES Environmental Scientists	Si Site Inspection
AFO Agricultural / Fisheries / Forestry Officers	EO Executive Officers	Cos Cosmetics & Personal Health-care Products	FO Food Processing & Manufacturing	CS Customer Services	Pu Sourcing & Purchasing

Legend: Civil Services (Green), Education (Blue), Business (Purple), Further Studies (Light Green), Consultancy & Non-Government Organizations (Yellow), Quality Control & Product Safety (Red), Testing, Inspection & Certification Services (Dark Purple)