





Curriculum of Chemistry Programme@CUHK

To NGAI (魏濤) Curriculum Convenor

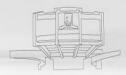
Department of Chemistry

The Chinese University of Hong Kong

Office: Room 243, Charles Kao Building, Science Center









Chemistry Streams (2nd – 4th Years)

For students of 2019/20 cohort or thereafter

Main Stream (68 Units)

It is the most flexible stream bearing the least required units in major, in which students can take a wider variety of courses offered by other programmes.

Enrichment Stream (72 Units)

It is specifically designed for students who wish to further their studies in graduate programmes in chemistry or related fields.

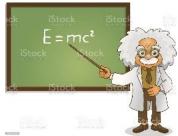
Testing and Accreditation Stream (70 Units)

It is designed for students who wish to join the testing and accreditation industry after graduation.















Streams – Requirements & Application

For students of 2019/20 cohort or thereafter

Enrichment Stream (72 Units)

Requirement

- (1) Eligible students should declare before the end of Year 3
- (2) Students should submit a research title proposed by a Prof. for UG Thesis I/II at declaration
- (3) CGPA >3.0 for all CHEM2000 level or above courses
- (4) Enrichment stream students with CGPA <3.0 would be dropped out from the stream

Application procedures

(1) Applications should be submitted <u>in person</u> to CHEM General Office *with transcript*

Testing and Accreditation Stream (70 Units)

Requirement

Selection will be based on:

- (1) GPA of STOT, Fundamentals of Spectroscopic Analysis, Analytical Chemistry, Integrated Chemistry Lab I & II
- (2) A written statement of purpose
- (3) Interview performance

Application procedures

- (1) Applications should be submitted <u>via email</u> (<u>chemistry@cuhk.edu.hk</u>) with transcript & written statement of purpose
- (2) Eligible students will be invited to attend the interview in June/July

^{*}Students not choosing any stream would be considered as staying in the Main Stream.

		Main Stream	Enrichment	Testing & Accreditation
	1 st year	Faculty Package		
	2 nd year	 Student Oriented Teaching Analytical Chemistry Main Group Chemistry Fundamentals of Spectroscopic A 		udy Schemes
	3 rd year	 Instrumental Analysis Organic Reactions: Reactivity and Selectivity 		
		 Conjugated Molecules and Synthetic Polymers / Materials Chemistry (choose 1) 1 CHEM elective (4000 level) 	 Conjugated Molecules and Synthetic Polymers Materials Chemistry Advanced Organic Chemistry Lab / Physical Chemistry Lab II (choose 1) 	 Accreditation of Lab Tests Quality Testing Lab Food Testing and Environmental Analysis
	4 th year	 Problem-based learning (PBL) 3 CHEM electives (4000 level) 	 Thesis 4 CHEM electives (4000 level) At least 4 consecutive weeks of outside Hong Kong exposure (exchange/research/internship programmes) 	 PBL (T&A) Internship in Accredited Lab Advanced Analytical Chemistry / Mass Spectrometry / Bioanalytical Methods / Chemical Applications in Forensic Sciences (choose 2)

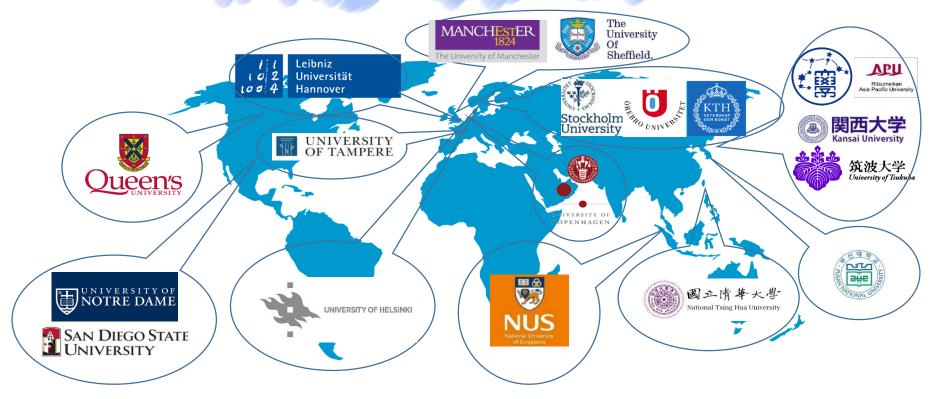






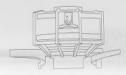


Undergraduate International Exchange



Overseas exchange — 1 semester/year; Not recommend in the final year.









Overseas Summer Research











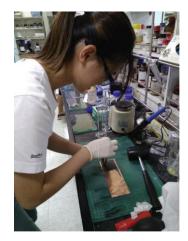


Kansai (Osaka, Japan)





Warwick (UK) *CUHK-CHEM*



National Central University (Taiwan)



Warwick (UK)

2020-21 CUHK-CHEM 6







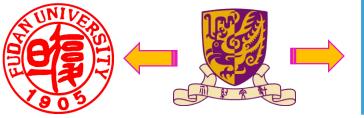


Overseas Summer Research

Internship opportunity in leading chemical company

2018 summer: CUHK-BASF-Fudan Internship Programme

- Working at BASF (Shanghai) for 2.5-3 months
- Department: cover flight ticket
- Fudan University: cover accommodation and meal







BASF is definitely an international company. All colleagues are from different countries ... Russians, Germans, Chinese, Indians... all gather to be innovative and come up with impressive ideas.









Overseas Study Trip







Soochow (2018 Summer)

















Lanzhou and Dunhuang (2019 Summer)
CUHK-CHEM

2020-21 CUHK-CHEM







Professors in Department

Organic Chemistry





















Material Science
Nanoscience
Bioinorganic
Chemical biology
Biophysics
Soft matter

Polymer Synthetic biology

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Inorganic Chemistry











Analytical Chemistry











2020-21 CUHK-CHEM







Academic Advising

- Two-level advisory system
- Every student is assigned a Level I Advisor
- Each student is required to meet with Level I
 Advisor once every academic year
- Students may discuss study-related issues with Level I Advisor
- Students with GPA below 2.0 will meet with Level II Advisor to work out possible approach for improvement









Any Questions?

