CIR-MIN

香港城市大學
City University of Hong Kong

Curriculum Information Record for a Minor

Department of Chemistry
Effective from Semester A 2020/21
For Students Admitted to the Minor with Catalogue Term Semester A 2015/16 and thereafter

The information provided on this form is the official record of the minor. It will be used for City University's database, various City University publications (including websites) and documentation for students and others as required.

In specifying the curriculum for a minor, "catalogue term" is used to determine the set of curriculum requirements that a student is following. The catalogue term of minor requirements that students will follow will be the effective term of their declared minor (BUS/04/A5R).

Prepared / Last Updated by

Name:	Prof. Kenneth Lo	Academic Unit:	Department of Chemistry
Phone/email:	3442 7231 / bhkenlo@cityu.edu.hk	Date:	18 November 2019

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Part I Minor Overview

Minor	(in English)	:	Chemical Sciences
	(in Chinese)	:	化學科學
Exclusive Majors *(Students who study those majors are not allowed to choose this minor)*		:	Applied Chemistry/Chemistry

1. Aims of Minor

This minor aims to increase students' understanding of Chemical Sciences at the post-secondary level, hence preparing them for further studies.

2. Intended Learning Outcomes of Minor (MINILOs)

(Please state what the student is expected to be able to do on completion of the minor according to a given standard of performance.)

Upon successful completion of this minor, students should be able to:

No.	*MINILOs*	*Discovery-enriched curriculum related learning outcomes (please tick where appropriate)*		
		A1	*A2*	*A3*
1.	comprehend the roles of chemical sciences in everyday life	√		
2.	comprehend the basic concepts of analytical, environmental, inorganic, organic and physical chemistry	√		
3.	comprehend the common analytical methods		√	√
4.	comprehend the chemical reactivity of organic and inorganic materials		√	√
5.	comprehend the structure-properties relationship of compounds		√	√

A1: Attitude
Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability
Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments
Demonstrate accomplishments of discovery/innovation/creativity through producing/constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Part II Minor Requirement (15 credit units)

(The catalogue term of minor requirement that students will follow will be the effective term of their declared minor.)

1. Core Courses (3 credit units)

Course Code	Course Title	Level	Credit Units	Remarks
BCH1100	Chemistry	B1	3	

2. Electives (12 credit units)

Any 4 courses from the following electives.

Course Code	Course Title	Level	Credit Units	Remarks
BCH2004A	Principles of Analytical Chemistry	B2	3	
BCH2005A	Principles of Environmental Chemistry	B2	3	
BCH2006A	Principles of Inorganic Chemistry	B2	3	
BCH2007A	Principles of Organic Chemistry	B2	3	
BCH2008A	Principles of Physical Chemistry	B2	3	
BCH3014A	Inorganic Chemistry	B3	3	
BCH3015A	Organic Chemistry	B3	3	
BCH3016A	Physical Chemistry	B3	3	
BCH3027A	Analytical Chemistry	B3	3	

Part III Additional Information

a. At least 15 credit units must be taken from the courses shown in the above table. These include 3 credit units of the required courses and at least 12 credit units of electives. Students who enter the programme with a satisfactory result in Chemistry in HKALE or equivalent may apply to take a selected elective as a substitute for BCH1100.

b. An average GPA of 1.7 or above in these courses is required for the award.

c. No student is allowed to take 2 minors from the Department of Chemistry simultaneously.

d. Students whose major is in the BScAC/BScCHEM programme of the Department of Chemistry are ineligible.

e. A student who intends to take the minor should seek approval from his/her parent department and the Department of Chemistry.

Part IV Curriculum Map

(The curriculum map shows the mapping between courses and the MINILOs. It should cover all courses designed specifically for the minor.)

Course			MINILOs					DEC		
Code	**Title**	**Credit**	**M1**	**M2**	**M3**	**M4**	**M5**	**A1**	**A2**	**A3**
Core Courses										
BCH1100	Chemistry	3	√	√				√	√	
Electives										
BCH2004A	Principles of Analytical Chemistry	3	√	√	√			√	√	
BCH2005A	Principles of Environmental Chemistry	3	√	√	√			√	√	
BCH2006A	Principles of Inorganic Chemistry	3	√	√		√		√	√	
BCH2007A	Principles of Organic Chemistry	3	√	√		√		√	√	
BCH2008A	Principles of Physical Chemistry	3	√	√	√			√	√	
BCH3014A	Inorganic Chemistry	3				√	√		√	√
BCH3015A	Organic Chemistry	3				√	√		√	√
BCH3016A	Physical Chemistry	3			√		√		√	√
BCH3027A	Analytical Chemistry	3			√		√		√	√

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