

Minor Title	Minor in Chemistry
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Offered to students admitted to Year 1 in	2012
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**Objectives:**

The Chemistry minor aims to provide students with fundamental knowledge and skills of chemistry. The minor curriculum is flexible. Students of different majors in science and other disciplines will be able to select courses that complement their major areas of study as well as enhance their knowledge in chemistry.

**Learning Outcomes:**

Students should be able to:

- a. understand and apply the basic concepts of chemistry;  
(by means of coursework and laboratory-based learning in the curriculum)
- b. apply chemistry concepts in other subjects;  
(by means of coursework and laboratory-based learning in the curriculum)
- c. transfer the basic concepts to complement their major area of study.  
(by means of coursework and laboratory-based learning in the curriculum)

**Impermissible Combination:**

Major in Chemistry

**Required courses (42 credits)****1. Introductory level courses (18 credits)**

CHEM1042 General chemistry (6)

Plus at least 12 credits selected from the following courses:

CHEM2041 Principles of chemistry (6)  
 CHEM2241 Analytical chemistry I (6)  
 CHEM2341 Inorganic chemistry I (6)  
 CHEM2441 Organic chemistry I (6) (note 4)  
 CHEM2442 Fundamentals of organic chemistry (6) (note 4)  
 CHEM2541 Physical chemistry I (6)

**2. Advanced level courses (24 credits)**

At least 24 credits of advanced level Chemistry courses (CHEM3XXX or CHEM4XXX level), subject to prerequisite requirements.

**Notes:**

1. A course may appear as required course in two or more Science majors/minors. Each course can only be considered to satisfy the requirement of one major or one minor, even if that appears in the curriculum of two majors/minors. Students have to select another course to replace the course in the second major/minor.
2. Courses at the advanced level are subject to change.
3. Students must have level 3 or above in HKDSE Chemistry or equivalent to take this major. Students who do not fulfill this requirement are advised to take CHEM1041 Foundations of chemistry.
4. CHEM2441 Organic chemistry I and CHEM2442 Fundamentals of organic chemistry are mutually exclusive.

**Remarks:**

Important! Ultimate responsibility rests with students to ensure that the required pre-requisites and co-requisite of selected courses are fulfilled. Students must take and pass all required courses in the selected primary science major in order to satisfy the degree graduation requirements.