# Faculty of Science
## Chemistry

<table>
<thead>
<tr>
<th>Offered As:</th>
<th>✓ Major</th>
<th>✓ Intensive Major</th>
<th>✓ Minor</th>
</tr>
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<tbody>
<tr>
<td><em>Open to students of other Faculties:</em></td>
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### What is it about?

The Major in Chemistry aims to provide students with a solid training in major areas of chemistry. The curriculum includes core courses covering topics in physical, inorganic, organic, and analytical chemistry. A wide selection of elective courses in chemical biology, chemical analysis, computational chemistry, environmental chemistry, industrial chemistry, interfacial science, material, and medicinal chemistry, is also available to provide students with knowledge and training to help them meet the dynamic and ever-changing challenges in science and technology.

For the Intensive Major in Chemistry, it aims to provide students with a strong foundation on major areas of chemistry. The curriculum includes core courses covering topics in physical, inorganic, organic, and analytical chemistry. The curriculum emphasizes comprehensive coverage in theoretical knowledge, laboratory skills, and research experience. A wide selection of elective courses is also available for student preparation to pursue learning in specialisations such as chemical biology, computation chemistry, and materials.

As for the Minor in Chemistry, it 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.

### Offering Department:

Offered by the Department of Chemistry

### Pre-requisites and/or other conditions for declaring the major/minor:

**Major/ Intensive Major/ Minor:**

Students must have level 3 or above in HKDSE Chemistry or equivalent to take this major/intensive major/ minor. Students who do not fulfill this requirement are advised to take CHEM1041 Foundations of chemistry. Please refer to the course prerequisites of the required courses.

For details, please check with the Department of Chemistry.

### Career opportunities:

Graduates of the Chemistry Major programme will be proficient in the principles and experimental skills of chemistry. The programme will also equip students with transferable skills in both theoretical and experimental investigations in sciences that are crucial for their future careers in a knowledge-based economy. It is expected that our graduates will be able to meet local and regional requirements in the industrial, commercial, government or education sectors and will become future leaders of these sectors.

Graduates of the Intensive Chemistry Major programme will be proficient in the principles and experimental skills of chemistry. The programme will also equip students with transferable skills in both theoretical and experimental investigations in sciences. Graduates are expected to be well-prepared for further studies in chemistry and related disciplines and to pursue professional careers in scientific and technical fields.

For details, please check with Faculty or CEDARS (Careers & Placement).
| Further information: | Major:  

**Intensive Major:**  

**Minor:**  
|---|---|
| Contact: | E: chemmail@hkucc.hku.hk  
T: 2859 7919 |

* Note: Students pursuing curricula with major / minor programme(s) must complete at least one major programme from their home Faculties upon graduation.

Disclaimer: The information mainly applies to students admitted in 2020-2021 and thereafter. For students from different cohorts, the information is only for reference. Please check with Faculty/offering department for details. The pre-requisites / conditions are subject to changes by Faculties from time to time, and students are advised to check with their Faculty Office in case of doubt.