

# Chemistry Summer Research Program HKUSI CHEM4990

## 2025 Course Outline

The **Chemistry Summer Research Program CHEM4990** offers a unique opportunity for undergraduate students to engage in cutting-edge research within the Department of Chemistry at The University of Hong Kong. This four-week intensive program is designed to provide hands-on research experience, allowing students to work closely with faculty members on innovative projects that span various fields of chemistry.

### **Learning Outcomes for Chemistry Summer Research Program CHEM4990**

By the end of the Chemistry Summer Research Program CHEM4990, students will be able to:

1. Demonstrate a comprehensive understanding of advanced chemical concepts and research methodologies.
2. Apply experimental techniques and analytical skills to conduct independent research projects.
3. Critically analyze and interpret scientific data to draw meaningful conclusions.
4. Collaborate with peers and faculty members to enhance problem-solving and teamwork skills.
5. Develop a deeper appreciation for the role of chemistry in addressing real-world challenges and advancing scientific knowledge.

Participants will gain valuable skills in experimental techniques, data analysis, and scientific communication. The program also includes seminars and workshops aimed at enhancing students' understanding of current research trends and methodologies. Additionally, students will have the chance to present their findings at the end of the program, fostering a collaborative and intellectually stimulating environment.

### **Programme Highlights:**

- 4 weeks of immersive research experience at a research group in the Department of Chemistry, the University of Hong Kong.
- Interview is required.

**Programme date:** Preferably starting in July. The exact period of the research programme is to be confirmed with project supervisor.

**Prerequisite:** Student should have taken at least a year of chemistry course with laboratory component.

**Interview is required.**

**Programme Fee:** \$10,000

- Scholarships will be provided for outstanding UG students for waving programme fee