

Department of Chemistry

Contact Information

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Introduction

Department of Chemistry was founded in 1962. The department offers unsurpassed opportunities for world-class investigation across a broad range of research fields in chemistry. With twenty-five faculty members, we have a reputation for excellence in both teaching and research. We also cooperate closely with Academia Sinica and other research institutes, reflecting strong interdisciplinary aspects of our department. As an indication of recent growth and research success within the department, we are now listed as one of the top 10 departments of chemistry in the nation.



Instructional Objectives

The department offers training opportunities in the traditional areas of chemistry. The bachelor's degree program is designed to train chemistry professionals and secondary school natural

science and chemistry teachers. The master's and doctoral programs are designed to train chemistry professionals and university and secondary school chemistry teachers.



Degree Requirements

Course areas include Organic synthesis, inorganic chemistry, physical chemistry, analytical chemistry, computational chemistry, chemical education, biochemistry, areas of interdisciplinary research (such as material sciences, medical chemistry and energy research)

Graduation credits for bachelor class:

128 credits (including 28 credits for common compulsory, 57 credits for compulsory courses in chemistry, 18 credits for elective courses in chemistry, and 25 credits for free elective courses)

Graduation credits for master class:

24 credits (selected courses in the field of specialization)

Graduation credits for doctoral class:

18 credits (selected courses in the field of specialization)

Feature of the Curriculum

In addition to general basic courses, more practical courses, such as nano materials and sustainable chemistry, nano technology and its applications, to cultivate students' understanding of science are provided.

Career Prospects

Graduates could devote themselves to an employee in the field of semiconductor, biotechnology, new drug development, food hygiene, food inspection and chemical industry or a career of secondary chemistry teacher.

