

National Taiwan Normal University Department of Chemistry Regulations for Master's Program Study and Degree Awarding

Article 1 List of Degree Titles in Chinese and English:

Department/Institute Name: Department of Chemistry

Degree Name: Master of Science

Abbreviation: M. S.

Applicable Starting from the Academic Year 109 for Incoming Students

Article 2 Master's Program Study Regulations:

(1) Minimum Graduation Total Credits: 24 credits

I. Chemistry Courses (4 courses): 12 credits (Refer to Table A)

II. Seminars and Discussions (4 semesters): 8 credits

III. Modern Chemistry Seminars (4 semesters): 4 credits

(2) Credit Transfer Regulations:

I. Students who graduate from this department at this university, with a grade of B- or above, and who have not fulfilled the minimum credit requirements, can transfer a maximum of 2 courses (6 credits) from the joint undergraduate and master's program. However, students who graduate from other universities and are admitted to this department's master's program are not eligible for credit transfer.

II. Students who complete the same courses and earn a grade of A or above in the summer school program may be eligible for credit transfer with the approval of the original course instructor, with a maximum of 6 credits transferable.

Article 3 If graduate students change their advisor or research field during their enrollment, they must submit a confirmation form for changing advisors to the responsible office for at least three semesters. They can only graduate after completing all the required tasks with the new advisor and in the new research field.

Article 4 Before writing the thesis, students must complete the "Academic Research Ethics Education Program" and pass the examination.

Article 5 Master's Thesis Examination Regulations:

(1) Establish a Master's Degree Examination Committee according to the following regulations:

I. The Master's Degree Examination Committee consists of 3-5 members, of which at least one-third must be external members (including adjunct faculty from the university). They are appointed by the President of the university. The committee is chaired by the department chair, program director, or director of the degree program. However, the advisor cannot serve as the chair.

- II. Members of the Master's Degree Examination Committee should have expertise in the candidate's research area and meet one of the following qualifications:
- (i) Current or former professors, associate professors, or assistant professors.
 - (ii) Academicians of the Academia Sinica, current or former researchers, associate researchers, or assistant researchers of the Academia Sinica.
 - (iii) Hold a Ph.D. degree and have made significant contributions in their academic field, such as associate professors or higher positions at academic institutions or non-profit research organizations.
 - (iv) Hold a Ph.D. degree and have made significant contributions in their professional field, such as academics or industry.
- (2) Applicants must fill out an application form and submit the following documents:
- I. Transcript of academic records.
 - II. A draft of the thesis and its abstract.
 - III. Originality report from an online plagiarism detection system.
 - IV. An affidavit for the thesis examination application.
 - V. Other documents required by the department.
- (3) Other regulations are in accordance with the "National Taiwan Normal University Regulations on Degree Awarding and Graduate Degree Examination."

Article 6 Those who wish to pursue an educational program must pass the selection process conducted by the university. Starting from the second year, they can take courses in the educational program, with a maximum of 9 credits per semester. They can only proceed with the thesis defense in the second semester of the third year. Students pursuing the educational program must ensure that the subjects they choose meet the program's requirements; otherwise, they must make up for any deficiencies.

Article 7 These regulations were passed by the departmental meeting and the College of Science Curriculum Committee and were announced after being reviewed by the Academic Affairs Meeting. Any amendments will follow the same procedure.

Table A

| Major Field | Lective Course Names | Remarks |
|----------------------------|--|-------------------------|
| Organic Chemistry Group | Organic Structural Spectroscopy, Organic Reaction Mechanism, Organic Synthesis, Topics in Organic Chemistry, Biochemistry, Topics in Biochemistry, Advanced Biochemistry (I) | Choose any two subjects |
| Inorganic Chemistry Group | Advanced Inorganic Chemistry (I), Advanced Inorganic Chemistry (II) | |
| Physical Chemistry Group | Atomic and Molecular Spectroscopy, Quantum Chemistry, Special Topics in Physical Chemistry, Chemical Kinetics, Molecular Simulation, The Applications of Nanotechnology | Choose any two subjects |
| Analytical Chemistry Group | Advanced analytical chemistry (I), Advanced Analytical Chemistry (II), Analytical Electrochemistry (I), Analytical Electrochemistry (II), Advanced Chemical Industries | Choose any two subjects |

Notes:

1. Students in each group must take at least 2 required courses in their major field and at least 1 course from other fields (other fields can include subjects not listed in the table).
2. Advanced Biochemistry (II) can be counted as a minor field course in the Organic Chemistry Group.
3. Students with a bachelor's degree but lacking required undergraduate credits (including organic, inorganic, physical, and analytical chemistry) must complete two courses in one of these four major fields and another advanced or special topics course, totaling 2 courses.
4. Students admitted with a certificate of study but with equivalent qualifications must make up for the undergraduate credits in all four major fields of the Chemistry Department (organic, inorganic, physical, and analytical chemistry), totaling 2 courses.