Chung Yuan Christian University Regulations for Direct Admission of Students to the Ph.D. Program in the Department of Chemistry

Article 1

These regulations are formulated in accordance with Article 2 of the "Chung Yuan Christian University Regulations for Direct Admission of Students to Doctoral Degree Programs."

Article 2: Eligibility

I. Master's Program Students

Students enrolled in the Master's program for at least one year with outstanding academic performance and research potential are eligible to apply. The criteria for eligibility are as follows:

1. **Grade Ranking Method**:
    - Students must have taken at least two out of five core compulsory subjects (regardless of pass or fail) from the "Five Advanced Core Subjects" list.
    - The eligibility is determined by calculating the weighted percentage rank for each course. This is done by multiplying the percentage rank for each course by its corresponding credit weight, summing these values, and dividing the total by the sum of the credits for the compulsory courses.
    - The resulting average percentage rank must be at least 65%.

    Example Calculation:

    - Advanced Inorganic Chemistry: Score = 81, Ranking Percentage = 75%
    - Advanced Analytical Chemistry: Score = 84, Ranking Percentage = 80%
    - Advanced Organic Chemistry: Score = 88, Ranking Percentage = 100%
      Calculation: [(75% × 3 credits) + (80% × 3 credits) + (100% × 3

credits)] / (3 + 3 + 3) credits = 85%
Since 85% is higher than 65%, the student meets the eligibility criteria.

2. **Score Method**:
    - Students whose average score for the "Five Advanced Core Subjects" is 80 or higher are eligible.
3. **SCI Paper Publication**:
    - Students who have an SCI paper (at least accepted) are eligible, provided they meet the following criteria:
        - The student must be the first author (excluding the advisor) of the SCI paper.
        - The student's average rank among peers for the "Five Advanced Core Subjects" must be in the top 55%, or the student must have an average score of at least 70.

II. Undergraduate Students

Undergraduate students who have completed one year of "Special Research Projects" with outstanding performance are eligible to apply.

III. Students with Exceptional Research Performance

Students with exceptional research performance may be recommended by at least two assistant professors or higher from related departments, institutes, colleges, or degree programs.

Priority Order for Selection:
Applicants from categories I and II are given priority. If there are remaining spots, students from category III may be considered.

Article 3: Selection Process

1. **Oral Presentation**:
    - Applicants must present their research results, status, and future outlook in an oral presentation at a Departmental Affairs Meeting.
    - Admission requires a majority vote from attending committee members. If the number of applicants exceeds the available slots, those with the highest number of votes will be admitted.

- In the event of a tie, a re-vote will be held among the applicants with the same number of votes.

2. **Advisor Exclusion from Voting**:
   - The advisor of the applicant must leave the meeting during discussions and voting and may not participate in the process.

Article 4: Course Requirements

1. **Master's to Ph.D. Students**:
   - Students admitted directly from the Master's program to the Ph.D. program must complete at least **32 credits**.
   - At least **18 credits** must be taken during the Ph.D. program.
   - The 18 credits do not include credits for seminars, chemistry techniques, or the dissertation.
   - Students must also complete three additional advanced courses.
2. **Bachelor's to Ph.D. Students**:
   - Students admitted directly from the Bachelor's program to the Ph.D. program must complete at least **38 credits**.
   - These 38 credits include seminar and chemistry technique courses, but the dissertation is counted separately.

Article 5: Amendments

These regulations take effect after approval by the Departmental Affairs Meeting. Revisions follow the same procedure.