

Regulations and Procedures for Ph.D. Program in the Institute of Electronics Engineering, National Tsing Hua University

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I. Admission

1. Applicants who pass the Entrance Examination or the Screening Review of Recommendation are qualified to enter the Institute of Electronics Engineering to pursue a Ph. D. degree.
2. Applicants who are the undergraduate/graduate students of National Tsing Hua University and whose scores meet the qualifications of the “Rules governing graduating bachelor’s degree students in direct pursuit of a doctoral degree” or “Rules governing master’s program students in direct pursuit of a doctoral degree” are allowed to directly pursue a Ph. D. degree, if the applicants are recommended by their original departments or institutes and pass the review by the Institute of Electronics Engineering.

II. Years of Study

The degree requires at least 2 years of study and allows a maximum period of 7 years. Part-time graduate students should complete the study within a minimum period of 3 years and a maximum period of 9 years.

III. Courses and Credits

1. In addition to the mandatory course “ENE8900 Thesis”, which possesses 0 credits, students are required to complete a minimum of eighteen credits from courses approved by the institute (excluding “Seminar”). For the students who directly pursuing a doctoral degree, a minimum of thirty credits from approved courses (excluding “Seminar”) is required. If students wish to include credits from graduate courses outside the College of Electrical Engineering and Computer Science as part of the graduation requirements, approval must be obtained through the application process before enrolling in those courses.

2. “Academic Research Ethics Education Courses”, which possesses 0 credit and is conducted via cyber, is required to complete before the end of the first academic year. Please refer to the “Academic Research Ethics Education Curriculum Implementation Highlights” for details.

IV. Qualification review and English Competence

1. Ph.D. students can apply for taking the qualification review as soon as they are registered as Ph.D. students. The review is held once per semester. More details of the review process, subjects, and evaluating rules can be referred to the “Rules of the qualification review in the Institute of Electronics Engineering.”
2. Ph.D. students must pass the qualification review within “three school years” (leave of absence is not counted) after they are registered as Ph.D. students. Those who fail to pass the qualification review within this duration will be expelled. For a student who takes the qualification review in the semester of his/her absence, the review results remain valid.
3. Ph.D. students must attain a certificate of English proficiency before they apply for the degree examination. For more detail, refer to the “Evaluating Criteria of Ph.D. Students’ English Competence of the Institute of Electronics Engineering.”

V. Thesis Director

1. Every Ph.D. student must have a thesis advisor before the end of his/her first academic year. The thesis advisor is in charge of the student’s study and research.
2. The thesis advisor must be a full-time assistant professor, associate professor, or full professor of the institute. If a student wishes to change his/her thesis advisor, getting approval from the institute in advance is required.

VI. Contents and Quality of Doctoral Thesis

1. A Ph.D. student must complete an original dissertation during his/her studying years under the guidance of the thesis advisor.
2. In addition to the degree dissertation, a Ph. D. student must publish (or obtain acceptance for publication) at least two related papers in international journals, and his/her advisor must be a coauthor. The student should be the first author (except the thesis director) in at least one of these papers. The quality and quantity of the published papers will be evaluated and scrutinized by the Committee of Dissertation Examination.

VII. Thesis Proposal

1. The Ph.D. students should prepare all of the following materials before they apply

for an oral defense:

- 1) Formal transcript of Ph.D. study in every year
- 2) Certificate of passing the qualification examination
- 3) Certificate of meeting the requirements of English competence
- 4) The published, accepted, and submitted papers
- 5) First draft of the degree dissertation
- 6) The recommendation form by the thesis advisor

A Ph. D. student can apply for an oral defense when all the materials are prepared. The director of the institute will organize a Committee of Dissertation Examination to execute the scrutiny of graduating requirements and the oral examination. The Ph.D. student can pass the oral examination when all of the members of the committee consent. If the student fails to pass the oral examination, he/she can not apply for another oral examination until three months later.

2. The dissertation defense is a public oral examination. It should be announced that the speaker is a candidate of Ph. D. degree.
3. A Ph. D. student can apply for a degree examination after passing the oral defense and when all the additional requirements made by the Committee of Dissertation Examination have been fulfilled.

VIII. Degree examination

Please see the “National Tsing Hua University Doctoral Degree Exam Statutes”.

IX. Revocation of a Ph.D. Degree

If a Ph.D. thesis is prosecuted for plagiarism or fake materials, the granted Ph.D. degree will be revoked when the accusation is proved to be true by the jury organized by the university. The Ph.D. student will be deprived of his/her study in the institute even if the maximum limit of study period is not yet reached.

- X.** These regulations are activated by the Institutional Affair Meeting, so are the revisions of regulations.

(These regulations are adopted in Chinese, which shall prevail in case of any discrepancy between the English translation and the Chinese original.)