

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

【Applicable to students admitted in Academic Year 2026 or later】

Approved on March 7, 1997
Revised on May 14, 1999
Revised on March 24, 2000
Revised on September 22, 2000
Revised on March 14, 2007
Revised on May 5, 2011
Revised on February 24, 2012
Revised on November 5, 2013
Revised on June 20, 2014
Revised on November 10, 2014
Revised on November 26, 2015
Revised on November 01, 2017
Revised on June 09, 2022
Revised on April 23, 2026

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 Direct Admission of Current Bachelor’s Program Graduates to Doctoral Programs” or “Rules Governing Direct Admission of Graduate Students to Doctoral Programs” 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 “National Tsing Hua University Directions for Implementation of Academic Research Ethics Education Courses” 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 “Evaluation 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 submitting a doctoral dissertation, a Ph.D. student must demonstrate research proficiency meeting the Graduation Point System requirements established by the Institute and must publish (or obtain acceptance for publication) at least two papers in international academic journals.
 - 1) Under the Graduation Point System, each paper published in an international academic journal shall count as 2 points, and each IEEE international conference paper shall count as 1 point.
 - 2) A minimum of 3 cumulative points is required to apply for the institute’s

internal oral defense; a minimum of 5 cumulative points is required to apply for the degree examination.

- 3) If a paper has more than one co-first author, the points assigned to that paper shall be divided by the number of co-first authors, excluding the advisor.
 - 4) The student's advisor shall be listed as a coauthor of all published or accepted papers. Furthermore, the student shall be the first author, excluding the advisor, of at least one paper published in an international academic journal.
3. The quality and quantity of the published papers will be evaluated and scrutinized by the Committee of Dissertation Examination.

VII. Thesis Proposal

1. Before applying for the internal oral defense, Ph.D. students shall prepare all required materials as announced on the Institute of Electronics Engineering website. A Ph. D. student can apply for an internal oral defense when all the materials are prepared. The Director of the Institute shall form an Internal Oral Defense Committee to review the graduation requirements and conduct the internal oral defense. The result of the internal oral defense shall be determined by all committee members through anonymous voting, and the Ph.D. student shall pass the internal oral defense upon receiving unanimous approval of the committee. If the student fails the internal oral defense, the student is not eligible to reapply until three months have elapsed.
2. The internal oral defense is a public examination. It should be announced that the speaker is a candidate of Ph. D. degree.
3. After passing the internal oral defense, a Ph.D. student may apply for the degree examination only after at least three months have elapsed.

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.)