

**National Taiwan University of Science and Technology**  
**Graduate Institute of Applied Science and Technology**  
**Doctoral Program Candidate Qualification Examination Regulations**

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Article 1 This Doctoral Program Candidate Qualifying Examination (abbreviated below as Qualifying Examination) Regulations of the Graduate Institute of Applied Science and Technology (abbreviated below as the Graduate Institute) are set out in accordance with the NTUST Doctoral Program Candidate Qualification Examination Regulations.

Article 2 Doctoral program students should pass the qualifying examination within two years after enrollment. If they are not able to do so, they will be expelled in accordance with the university's General Academic Regulations.

Article 3 Doctoral program students, upon obtaining permission from advisor and Chairman should fill out the application of qualification examination and send to the Graduate Institute office.

Article 4 After the Graduate Institute receives applications for the qualifying examination, the head of the group should organize a qualifying examination committee of 4 to 6 members to hold the examination.

Article 5 The passing score for the qualifying examination is 70. If the student fails to pass it the first time, he/she may apply to take the examination again within 2 years of enrollment. If the student fails the second time, or student who meet the situation that stated in Article 2, he/she must be expelled.

Article 6 Examination scores should be sent to the Graduate Institute office within 2 weeks of completion.

Article 7 Students should fulfill one of the selected examination method of the group he/she belongs to, examination methods are indicated in the appendix below.

Article 8 Students in direct pursuit Ph.D. program who fail to pass the qualifying examination will be allowed to return to their master's program studies after the approval of the faculty meeting and as well as the university president.

Article 9 The Rules shall take effect upon the approval of the faculty meeting. Any amendments to these Regulations shall follow the same procedure to be deemed effective.

## Appendix

Group	Methods of the qualification exam
Applied Science of Photon Light Source	The doctoral qualification can be fulfilled by one of the following two methods:
Membrane Science and Technology	<b>Option 1.</b> Oral Exam on PhD Dissertation Proposal:
Biomedical Engineering	Oral exam committee consists of 4 to 6 professors (including Assistant Professor, Associate Professor, Inside/Off-campus scholar or expert). Once the candidate pass the oral exam, the candidate’s advisor has to hand in exam records and dissertation proposal to the head of the group or the Chairman for further deliberation.
Technology Policy and Law	<b>Option 2.</b> Academic Journal Paper Publication:
Color, Imaging and Illumination Science and Technology	Student should have at least one paper accepted in SCI or SSCI journals. The first author of the published paper should be the student or his/her advisor/co-advisor while the student is the second author, the affiliation of the paper published should be the Graduate Institute. One journal paper can only be registered once (one student) to meet the requirement.
Applied Science of Energy and Materials	The doctoral qualification can be fulfilled by one of the following two methods:
Science Education and e-Learning	<p><b>Option 1.</b> Academic Journal Paper Publication:</p> <p>(1) Journal paper(s) published or accepted within two years of enrollment can be applied for qualification.</p> <p>(2)The requirements of the published papers: At least one paper published in SCI, SSCI, TSSCI, or AHCI journals, or at least two papers in EI or Scopus journals. The first author of the published paper should be the student or his/her advisor/co-advisor while the student is the second author.</p> <p><b>Option 2.</b> Written Examination:</p> <p>The subjects of the written examination include “Research Methods” and “Digital Learning”. Students may write and complete the exams within 2 years. The passing score is 70 (B-). The exam of each subject may be retaken only once.</p> <p>After the students submit the application for written exam, exam questions will be designed by faculties with relating specialties.</p>