International College of Semiconductor Technology, National Yang Ming Chiao Tung University Regulations Governing Master's Degrees

(Applicable to admissions in Academic Year 2022)

Revised and approved on Mar. 26, 2021 by Curriculum Committee of the Colleges
Revised and approved on Mar. 17, 2022 by Curriculum Committee of the Colleges

Article 1. Basis of Regulations:

These regulations are formulated by the International College of Semiconductor Technology (hereinafter referred to as the College) of National Yang Ming Chiao Tung University (hereinafter referred to as the University) in accordance with the "National Yang Ming Chiao Tung University Regulations for Master and Doctoral Degrees Conferment" to regulate the degree and research requirements for students of the College's master's level programs (hereinafter referred to as master's students).

Article 2. Admissions Channel:

1. Admission via Entrance Exam: Students who have graduated from Ministry-of-Education-registered domestic public/private universities/colleges or foreign universities/colleges that meet the requirements for being recognized by the Ministry of Education, and have obtained a bachelor's degree or are expecting to obtain their bachelor's degrees in the current academic year; or students who have an equivalent educational eligibility for the admission of a master's level program and have passed the University's master's degree entrance exam, may be admitted into the College's master's level programs (including part-time students).
2. The dual/joint program: Students admitted into the College's master's level programs via the dual/joint academic system operated by the University and overseas universities.
3. Other channels: Students admitted into the College's master's level programs by following the University's relevant regulations on master's program admission.

Article 3. Program Transfers:

Postgraduate students from other departments/institutes of the University intending to transfer to the College's master's level programs should apply to the College with the required documents, which shall be reviewed by the College's Admissions Committee.

Items not fully stipulated in these Regulations shall be handled in accordance with the University's regulations on students' program transfers.

Article 4. Limitations on Study Duration:

The duration of study for the College's master's level programs is limited to between one and four years. The study duration of part-time students may be extended by up to one year.

The study duration limit mentioned in the preceding paragraph does not include periods of

suspended study. Master's students may apply for a suspension of their studies for one semester, one academic year, or two academic years; however, the cumulative length shall not exceed two academic years.

Students who are unable to complete all the requirements for the master's degree of the College by the end of the regulated study duration shall be required to withdraw from the university.

Article 5. Degree Requirements:

Master's students of the College shall meet the following requirements for graduation:

1. Professional Courses:

   (1) 6 credits from required core courses (the List of Required Subjects is shown in Appendix 1) must be courses delivered or recognized by the College.

   (2) Seminars: Students shall pass at least two semesters' seminars offered by the College.

   (3) Academic Thesis Research: Students shall pass the research for at least two semesters.

   (4) Credits for Graduation: Students shall complete at least 24 credits (including the transferred credits) of postgraduate courses (including 6 credits of the College's core courses and 6 credits of professional electives). Courses taught in non-English languages shall not account for more than 6 credits.

   (5) Credits for language-related courses and exempted courses do not count towards credits for graduation.

2. Other requirements for course registration:

   (1) Students must complete the online "Gender Equality Education" course.

   (2) Students must pass the "Academic and Research Ethics" course.

3. Students must pass the master's degree examination.

Master's students who score under 70 points (B-) in a course shall be considered as having failed the course. The credits for the course shall not be counted.

The requirements for graduation credits, subjects, and related studies are subject to the regulations applicable to the degree programs of the academic year when the master's students are admitted. Any issues that arise shall be judged by the Curriculum Committee.

Article 6. Thesis Advisor:

Master's students of the College must choose their thesis advisors within one month from the start date of the first semester after admission. The advisors' Consent Letter should be prepared and submitted to the College for review after it is signed and confirmed by the thesis

advisors.

The thesis advisors must be the College's full-time teachers or jointly-appointed teachers. If a student's thesis advisor is a jointly-appointed teacher, it is necessary to request a full-time teacher of the College to serve as a co-advisor.

There is a limit on the maximum number of master's students that a teacher can instruct in each academic year, which shall be handled in accordance with the College's relevant regulations.

For cases where co-advising is needed, a "Thesis Co-advisors' Agreement" shall be prepared and be approved by the original thesis advisors, co-advising professors, and Dean of College.

Changes to the advisor-advisee relationship:

1. If a postgraduate student intends to terminate the thesis advisor-advisee relationship or change his/her thesis advisor during the study period, the student should apply to the College in writing, which shall take effect after the original advisor is notified. The original advisor's consent is not required.
2. If a thesis advisor intends to terminate the advisor-advisee relationship, the advisor should apply to the College in writing, which shall be reviewed by the College. The College shall advise the student of the review results.
3. The advisor-advisee relationship may only be changed once.
4. Any disputes concerning this issue shall be handled by the Curriculum Committee, and shall be submitted to the College Affairs Meeting for resolution.
5. Issues not fully stipulated in these Regulations shall be handled in accordance with "National Yang Ming Chiao Tung University Regulations for Master and Doctoral Degrees Conferment" and "National Yang Ming Chiao Tung University-Thesis Advisor and Advisee Interaction Guidelines."

The change of advisor-advisee relationship stated in this article applies retroactively to all students currently studying in the College.

Article 7. Credit Transfer:

For postgraduate courses that had been completed prior to admission, students can apply for a credit transfer in accordance with the College's Directions for Master Program Credit Transfer.

Students taking dual/joint programs or who have been re-admitted via entrance examination due to failure to graduate within the regulated duration of study may apply for a credit transfer for their completed courses (including English-related courses and seminars).

Article 8. Members of the Master's Degree Examination Committee:

The College's Master Degree Examination Committee is comprised of three to five members

selected by the College from NYCU and non-NYCU scholars/experts who specialize in the topics of the theses being submitted, and possess one of the following qualifications. The selected scholars/experts shall be appointed to be committee members by the University's President at the Dean's request. One committee member shall be designated by the Dean as the convener; thesis advisors are not allowed to serve as a convener.

1. Current or former professors, associate professors or assistant professors.
2. Academicians of Academia Sinica, current or former research fellows, associate research fellows or assistant research fellows of the Academia Sinica.
3. Scholars/experts with doctoral degrees and outstanding academic achievements.
4. Scholars/experts being engaged in research areas involving rare/special topics or professional practices, and known for academic or professional achievements.

The qualifications listed in items 3 and 4 of the preceding paragraph shall be determined by the Curriculum Committee.

Spouses/ex-spouses or relatives by blood or marriage within the third degree of relationship of the master's student are not allowed to serve as a Master's Degree Examination Committee member for the student.

Article 9. Degree Examination:

The College's master students may apply for the Master's Degree Examination with the recommendation from their thesis advisors after completing the required courses and obtaining the required credits.

The master's degree examination may be held earlier for students who submit their thesis upon the recommendation of the thesis advisor when the required courses and credits for their master's degree have not yet been completed but shall be completed at the end of the semester. The student can apply for the conferment of a master's degree after their courses have been completed and the required credits have been obtained. However, the results of the degree examination shall not be accepted and considered valid if the student fails to complete their required courses within the semester.

The time schedule for a degree examination shall be arranged by the thesis advisor. In addition, a paper copy of the "Recommendation Letter for Master Thesis Oral Defense" shall be submitted to the College two weeks before the examination so that official documents can be submitted to the University's President for the approval and appointment of the examination committee members, by which the Degree Examination Committee can be formed for the examination and assessments.

The degree examination for the College's master's level candidates includes a thesis examination and thesis review:

1. Thesis examination:

(1) The examination shall be carried out in the form of an oral defense/examination.

(2) In principle, the oral defense should be conducted publicly. The time, venue, and thesis topic must be announced at least one week before the oral defense.

(3) The preliminary draft of the thesis must be sent to the examination committee members for review at least 7 days before the oral defense.

(4) The examination can only be held when at least three members (including the thesis advisor) of the Degree Examination Committee are present. Committee members must attend in person, and cannot entrust others as representatives.

(5) Examination committee members can clearly indicate the directions and main points for thesis revisions, upon which the student can revise their thesis.

(6) The "pass mark" for the degree examination is 70 points (B-), while the "full mark" is 100 points (A+), which shall be determined based on the average marks given by the attending committee members. However, students who are assessed as having "Not Passed" by more than half of the attending committee members shall be regarded as having "Failed," and the average marks shall not be calculated.

(7) Degree Examination Committee members shall check whether the student's thesis topic and content are in line with the professional research field of the teaching unit to which the student belongs, which shall then be verified by the convener of the Degree Examination Committee by signing of the "Degree Examination Results Sheet" for approval.

(8) Students who fail in their degree examination within their valid duration of study may retake the examination in the following semester or next academic year. Only one examination retake is permitted. Students who fail to pass the re-examination shall be withdrawn from the university.

(9) Theses involving falsehoods, alterations, plagiarism, or having been written by others or involving other fraudulent behavior, after being reviewed and verified by the Degree Examination Committee, shall receive a degree examination score that shall be registered as "Zero," and no re-examination will be allowed.

2. Thesis Review:

(1) After passing the thesis examination, the College's master's level students should revise their theses based on the instructions offered by examination committee members, and re-submit their revised theses to the examination committee members for review.

(2) No marks shall be given when the thesis is reviewed. But at least two-thirds of the examination committee members' agreements shall be obtained for the thesis to be judged as having "Passed."

(3) For students passing their thesis reviews, the thesis examination score shall be their

degree examination score. The "Verification Letter from the Oral Examination Committee" shall be signed by the committee members attending the thesis examination.

After passing the degree examination, the student shall submit their "Degree Examination Results Sheet" to the Division of Registrar within the semester when the examination is taken. The deadline for submission in the first semester is January 31; while the deadline for submission in the second semester is July 31.

The deadline for the submission of printed copies of a thesis is the last working day before the start of the next semester after the degree examination is held. Enrollment is still required for students who fail to submit their printed copies of their thesis in time, and their duration of study is not completed.

Students shall be withdrawn from school if they fail to submit the "Degree Examination Results Sheet" within the semester when their duration of study is completed, or fail to submit the printed copies of their thesis before the last working day prior to the start of the next semester.

This article applies retroactively to all the students currently studying in the College.

Article 10. Degree Thesis:

In principle, the master's degree thesis (including abstracts) should be written in Chinese or English, and shall comply with the University's regulations on degree thesis formatting. After passing the degree examination, students shall create and make available computer files of the thesis abstract and full-text online (in accordance with the University's "Library's Regulations on e-File Creation for Degree Thesis Abstract and Full-text"), and submit two copies of their thesis (one is to be cataloged in the University's library, and the other shall be kept by the National Central Library).

The retention or provision of the degree theses shall be handled in accordance with Article 16 of "Degree Conferral Act." However, a thesis that includes confidential/patented information or shall not be provided by law will be handled in accordance with the University's regulations on the deferred publication of degree theses.

Article 11. Degree Revocation:

A master's degree shall be revoked after conferment if any one of the following facts is identified, and the conferred degree certificate shall be invalidated through announcement.

1. The admission eligibility or studying involves dishonesty or fraud.
2. The thesis involves falsehoods, alterations, plagiarism, has been written by others or involves other fraudulent behavior.

After the degree is revoked in accordance with the regulations stated in the preceding paragraph, the student shall be notified that their degree certificate shall be returned, and other colleges, universities, and related agencies shall be informed of the degree revocation

and invalidation.

Article 12. Revisions of Regulations:

Any issues not fully stipulated in these Regulations shall be handled in accordance with relevant regulations formulated by the Ministry of Education and the University. Any issues that arise shall be judged by the Curriculum Committee or be submitted to the College Affairs Meeting for resolution.

These Regulations are formulated, reviewed and approved by the College's Curriculum Committee; then reviewed by the University's Curriculum Committee; and further submitted to the Academic Affairs Meeting for approval and implementation. The same applies in the case of revision of these Regulations.

Appendix 1

List of Required Subjects

Updated on Mar. 17, 2022

Program/Group	Course Registration Rule	Required Subjects
Master's Program	Select two subjects out of the four being offered	1. Semiconductor Physics and Devices (I) 2. Semiconductor Processes 3. Digital Integrated Circuits 4. Analog Integrated Circuits