

Graduation Requirement (ver.2019)

Course Requirement

1. Required Courses: Pass at least three out of five SNHCC Core Courses.
2. Elective Courses: AT least 9 credits, including Ph.D. level courses CS/ISA/SNHC/COM from NTHU or NCCU. This does not include PhD Thesis, Special Project, seminar or Chinese Class.
3. Students have to participate in Seminar every semester in the first 6 semesters. This is mandatory. According to students' backgrounds, degree requirements may include participation of prescribed planned curriculum.
4. NTHU Requirement:
 - A. ISA or CS related courses are those with course codes which (i) begin with ISA, COM, or SNHCC, or are of the form (ii)CS 5xxx ~ 7xxx; however, "Thesis", "Topics" courses, and English language courses are excluded. A course not listed above may be considered as an ISA or CS related course under permission from ISA Chairperson.
 - B. Basic Subjects: For NTHU students only. In each of the following groups, at least one course has to be completed with B- or above before graduation (or during previous studies). Yet, credits from these courses are not considered as graduation credits:
 - Group A: Operating Systems, Computing Architecture, Networking
 - Group B: Probability, Statistics, Discrete Mathematics, Linear Algebra
 - Group C: Data Structure, Algorithm
5. Students are encouraged to complete the course work within two years in order to have sufficient time preparing Qualification Assessment.

Qualifying Examination

To qualify, students must pass the academic courses with outstanding performance and research ability assessment. The students who are not able to fulfill the requirement by the deadline will be dismissed from the program.

1. **Outstanding Academic Performance** --- Minimum three SNHCC core courses.
 - A. Students are required to high pass 3 out of 5 core courses. Superior graduate level performance. Consistently demonstrates complete and accurate understanding and application of knowledge and skills. The professors from each core courses will determine the passing thresholds, at least B+ and above.
 - B. The students are allowed to re-take the course and obtain "high pass." In order to meet qualifying exam grade requirement, the students can repeat this course but credit hours shall not be counted as graduation requirements.
 - C. Publication or paper submission is not allowed in lieu of this requirement.
 - D. Students who are not able to pass three (out of five) core courses WITH superior graduate level performance by the end of the fifth semester. You are not qualified for research ability assessment.
2. **Professional Subjects Assessment:**

Students who enroll at NTHU and NCCU will need to accomplish 18 credits of Ph.D. level courses (such as CS/ISA/SNHC/COM 5xxx ~ 7xxx level courses) and the grades must be at

least B+ within 5 semesters after enrollment.

3. Research Ability Assessment:

- A. The purpose is to steer toward a right track, objective, fair and appropriate standard, of Social Networks and Human-Centered Computing.
- B. Time Frame
 - The application for Ph.D. Thesis proposal is only accepted after the student have accomplished "Outstanding Academic Performance" requirement (and Qualifying Exam of the partner university.)
 - The deadline for Thesis Proposal Approval is by end of the third year.
- C. The assessment committee will be composed of three faculty members: advisor, co-advisor and one SNHCC Academic Committee member.
- D. The research ability assessment may be held twice. Student who do not pass the second assessment must withdraw from the PhD program in the following semester.

4. Language Assessment:

A student must qualify one of the following public tests to prove his/her English proficiency before the end of the third year.

- A. Results within 5 years prior to the PhD studies are also valid.
 - New Internet-based TOEFL, with score 87 or above.
 - TOEIC, with score 785 or above.
 - IELTS 6.0 or above.
 - GEPT High-Intermediate level (or above), passing all stages.
- B. After enrolling, you take 6 credits for the following English courses, and the scores must be B+ or above.
 - CS 5912 English for Science and Technology and CS 5913 Academic Research Writing.
 - Courses whose No. belongs to the LANG (Language Center) are marked as "Institute Priority", "Limited to Graduate Student", "Intermediate", or "Advanced".
 - Other English courses approved by the Director.
- C. A student with a university degree from a native English speaking country, together with official approval of such a degree from ROC Ministry of Education, can be exempted from the English proficiency test in A.