# Course Requirement for Master Student

Institute of Information System and Application, NTHU

A. Each student has to complete total 24 mandatory credits including:

- Course "***Seminar***": in both 1st & 2nd semesters (2 credits in sum).

- At least 3 courses (with 3 credits each) offered from either ISA, COM, IIS or CS of 5000-level or higher are required during the master's program.

-Students also need to take course "Thesis" in both the 3rd & 4th semesters.

-4 credit hours of Mandarin courses must be completed before graduating. Mandarin courses that count including level I, II, or III of: Mandarin Basic, Mandarin Intermediate, Mandarin High-Intermediate, and Mandarin Advanced. Students must gain Mandarin credits during his/her study in NTHU. However, the credits of "Mandarin" will not be counted in the course requirement (of 24 credits).

**NOTE:** students could add 4000-level course credits to mandatory credits only when the application approved by both students' advisor and the director of ISA. However, Required Courses cannot be fit in this application.

**NOTE:** Students enrolling with some proficiency in Chinese are encouraged to take the CLC placement test. Passing TOCFL level A1 waives 4 Mandarin credit hours.

**NOTE:** Students who pass level A1 of TOCFL may waive 4 Mandarin courses. Students must take their TOCFL certificates to the CLC office to apply for waivers.

## B. Prerequisites

- There are 2 prerequisites, Computer Programming & Data Structure.

- The credits of these courses won't be counted as mandatory credits for graduation.

- Students are expected to take and pass prerequisites before enrollment. If not, students MUST take and pass the prerequisites after joining in NTHU

## C. Language requirement

Before applying for oral defense, a student must qualify one of the following public tests or take course to prove his/her English proficiency:

-For students whose native language is not English: minimum TOEFL score of 6.0(IBT), or TOEIC score of 750, or IELTS score of 6.0, or GEPT High-Intermediate level, or any other certificate of English proficiency approved by the institute.

-Take 3 credits for the following English courses, and the scores must be B+ or above.

- English courses whose No. belongs to the LANG (Center for English Education) are marked as "Limited to Graduate Student".
- CS 5912 English for Science and Technology and CS 5913 Academic Research Writing.

-For students with a degree from a university located in a native English speaking country, which is recognized by the Ministry of Education, can be exempted from the language requirement.

D. These regulations were discussed and approved by the ISA Affairs Meeting.

Additional Note:

I.  In accordance with Article 62 Paragraph 8, student status will be suspended permanently by NTHU if students fail all courses (course "Thesis" not included) in current semester.

II. Students must complete "National Tsing Hua University Academic Research Ethics Education Course" before the end of the first year of his/her enrollment. Please refer to the following website to take this online course: http://ethics.nctu.edu.tw.

III. According to the regulation (Chapter 3, Article 55), students have to complete at least 24 credits.

IV. In addition to these regulations of ISA, students still have to meet the Regulations of National Tsing Hua University.