Course Requirement for Master Student

Institute of Information Security, NTHU

1. Each student has to complete the specific course in every semester, including
   1-1. **Course "Seminar"**: in both 1st & 2nd semesters (2 credits in sum).
   1-2. From the third semester, students are allowed to take the **thesis course** only, and these credits won't be counted as mandatory credits.

2. Required Courses:
   2-1. At least 2 courses (with 3 credits each) from the following: Advanced Cryptography, Network Security, Secure Programming, The Attack and Defense of Computers, Advanced Programming in the UNIX Environment, Linux Operating System. (Note: Student cannot pick the course with the same name in another school if IIS already open the course in the same semester)
   2-2. In addition to the courses above, at least 3 courses (with 3 credits each) offered from either ISA, IIS, COM or CS of 5000-level or higher is required.
   2-3. Student need to have 2 prerequisites, Computer Programming & Data Structure. Students are expected to take and pass prerequisites before enrollment. If not, students MUST take and pass the prerequisites after joining in NTHU. If these two courses in your school have similar content but with different course name, please discuss with your NTHU director for acceptance. The credits of these courses won't be counted as mandatory credits for graduation.

3. Students can waive the courses which are match the regulations 2-1&2-2 by taking same courses at the under graduate Dept. at the National Tsing Hua University or other universities with a grade of at least B-, the upper limit of credits that can waive is 5 courses (15 credits).

4. Master degree could add 4000-level course credits to mandatory credits only when the application is approved by both students' advisor and the director of IIS. However, Required Courses cannot be fit in this application.

5. Each student has to complete total 24 mandatory credits (including at least 16 credits that related to information science area) and at least 4 credits of thesis course.

6. The above requirements are laid out by the course committee and approved by

the committee of the IIS before its implementation.

Additional Note:

1. 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.

2. Students who are enrolled since the academic year 2015 have to sign up for the online course "Academic Research Ethics Education" in the first year. Students MUST pass the course before his/her oral defense. 3. According to the regulation (Chapter 3, Article55), students have to complete at least 24 credits in addition to thesis writing credits before graduation. Students that have not completed this course are not allowed to apply for their Oral Defense.

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