資電亥客與安全碩士學位學程

109 學年度

最低修業年限	一般生為一至四年。
應修學分數	除個別研究及論文研討課程之外，至少須修滿廿四學分。
應修（應選）課程及符合畢業資格之修課相關規定	應修課程 資訊院論文研討(電機院電子專題研討或論文研討) (1學期)、資訊院個別研究(2學期，出國期間經指導教授同意除外)
	必選修專業課程(10 選 3) *網路安全(3 學分)　*消息理論(3學分) *網路程式設計(3學分)　*密碼理論(3學分) *程式安全(3學分)　*機器學習(3學分) *軟體測試(3學分)　*橢圓曲線密碼學(3學分) *數位積體電路(3學分)　*容錯計算(3學分)
	選修專業課程 選修電機院及資訊院研究所專業課程，須填寫『選修專業課程認定申請表』，經指導教授同意。
備註	1. 碩士生於入學第一學期結束前，至「臺灣學術倫理教育資源中心」平台修習「學術研究倫理教育課程」，並通過課程總測驗成績達及格標準。未通過總測驗之學生，不得申請學位考試。 2. 碩士生入學後第一學期至本校網路教學平台修習「性別平等教育線上訓練課程」；因故未能完成者，須於畢業前補修完成，始得畢業。 3. 畢業前須通過一門本院研究所開授或認可之英文授課專業課程。（註：研討類型之課程除外。） 4. 每學期須選修「個別研究」課程，由碩士論文指導教授評分，以評定學生之研究水準，畢業前該課程至少須有二學期成績為通過。 5. 其他未盡事宜，依據本學程「修業規章」辦理。

Graduate Program of Cyber Security

Academic Year 2020

Minimum Term of Study	One to four years for full-time students.
Minimum Credits	In addition to the courses of Individual Study and Seminars, students must complete 24 credits.
Curriculum and Regulations	Required courses: 1. Students must pass one ‘Seminar course’ or ‘Graduate Seminar’ before graduation. 2. Students must pass at least one professional course taught in English given or approved by the college of Computer Science (hereinafter referred to as the College) at NCTU (Note: Except seminar courses.) 3. Students must take ‘Individual Study’ every semester and be graded by the thesis advisor in order to evaluate the research ability. At least two semesters should be passed prior to graduation.
	Major courses (3 out of the 10 selections below): * Network Security * Network Programming * Secure Programming * Software Testing * Digital Integrated Circuits * Information Theory * Cryptography * Machine Learning * Elliptic Curve Cryptography * Fault Tolerant Computing
	Selective courses: The application must be approved by the thesis advisor, for the credits to be accepted as part of the graduation credits.
Note	1. Students should register in the course of “Academic Research Ethics Education” during their first semester. Students who don’t pass the final assessment of the course can’t apply for their degree exam. 2. Students should take “Gender Equity Education Online Training Course” through the University’s online learning platform during their first semester. Students who don’t pass the course for some reason must complete it before graduation. 3. Matters not covered by this contract shall be settled will be executed in accordance with the “Regulations on Academic Studies for Master Program Students” for the Graduate Program of Cyber Security.