## 資電亥客與安全碩士學位學程

## 110 學年度

目上次业长加	47.1 4 7 - 4		
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	應修課程		
及符合畢業資格之	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,		
修課相關規定	出國期間經指導教授同意除外)		
	必選修專業課程( <u>12 選 2</u> )		
	*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)	*密碼工程(3學分)	
	*軟體測試(3學分)	*機器學習(3學分)	
	*數位積體電路(3學分)	*容錯計算(3學分)	
	*量子訊息與計算(3學分)	*行動網路安全(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	<ol> <li>有註</li> <li>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。</li> <li>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。</li> </ol>		
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:		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。	
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## Graduate Program of Cyber Security

## Academic Year 2021

	Academic Year 2021		
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	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 ( $\underline{2}$ out of the $\underline{12}$ selections below):		
Regulations	* Network Security	* Information Theory	
Regulations	* Network Programming	* Cryptography	
	* Secure Programming	* Cryptography Engineering	
	* Software Testing	* Machine Learning	
	* Digital Integrated Circuits	* Elliptic Curve Cryptography	
	* Quantum Information and	* Fault Tolerant Computing	
	Computation	* Mobile Network Security	
	Selective courses:		
	The application must be approved by the thesis advisor, for the credits to be accepted as		
	part of the graduation credits.		
	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		
Note	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.		