

亞洲大學

106 學年度資訊工程學系碩士班全英語課程規劃表

Approved at the University Curriculum Committee meeting on 6/22/2017

學程名稱(中文): 資訊工程學系碩士班

學程名稱(英文): Master program in Department of Computer Science & Information Engineering

Category	Course Title(中,英文)	Year of the program	Semester	Credits	Remarks
(6) University Required Credits	Master Thesis 碩士論文	2 nd	1 st and 2 nd	6	
(6) Program Required Credits	Seminar (1)(2)(3)(4) 論文研討(一)(二)(三)(四)	1 st and 2 nd	1 st and 2 nd	4	
	Research Thesis 研究論文寫作	1 st or 2 nd	1 st or 2 nd	2	
(15) Program Elective Credits	Data Mining 資料探勘	1 st or 2 nd	1 st or 2 nd	3	
	Machine Learning 機器學習	1 st or 2 nd	1 st or 2 nd	3	
	Project Management 專案管理	1 st or 2 nd	1 st or 2 nd	3	
	Software Engineering 軟體工程	1 st or 2 nd	1 st or 2 nd	3	
	Knowledge Management 智識管理	1 st or 2 nd	1 st or 2 nd	3	
	Image Processing 影像處理	1 st or 2 nd	1 st or 2 nd	3	
	Pattern Recognition 圖形識別	1 st or 2 nd	1 st or 2 nd	3	
	Information Systems Management 資訊科技管理	1 st or 2 nd	1 st or 2 nd	3	
	Information Security 資訊安全	1 st or 2 nd	1 st or 2 nd	3	
	Computer Vision 電腦視覺	1 st or 2 nd	1 st or 2 nd	3	
	Algorithms 演算法	1 st or 2 nd	1 st or 2 nd	3	
	Computer Networks 計算機網路	1 st or 2 nd	1 st or 2 nd	3	
Database Systems 資料庫系統	1 st or 2 nd	1 st or 2 nd	3		

	Artificial Intelligence 人工智慧	1 st or 2 nd	1 st or 2 nd	3	
	Operating Systems 作業系統	1 st or 2 nd	1 st or 2 nd	3	
(15) Program Elective Credits	Microelectronics 電子電路	1 st	1 st or 2 nd	3	
	Integrated Circuits 積體電路	1 st	1 st or 2 nd	3	
	Semiconductor Device Physics 半導體物理及元件	1 st	1 st or 2 nd	3	
	Semiconductor Process Engineering 半導體製程	1 st	1 st or 2 nd	3	
	Product Engineering 產品工程	1 st	1 st or 2 nd	3	
	Material Engineering 材料分析	1 st	1 st or 2 nd	3	
	Semiconductor Manufacturing Technology 積體電路製造實務	2 nd	1 st or 2 nd	3	
	VLSI Design and Process Technology 超大型積體電路設計實務	2 nd	1 st or 2 nd	3	
	Advanced Microelectronics 電子電路(二)	1 st	1 st or 2 nd	3	
	Analog Circuits 類比電路	1 st	1 st or 2 nd	3	
	Integrated Circuits Testing 積體電路測試導論	1 st	1 st or 2 nd	3	
	Semiconductor Failure Analysis 半導體故障分析	1 st	1 st or 2 nd	3	
	VLSI Process Technology 超大型積體電路製程技術	1 st	1 st or 2 nd	3	
SOI Technology SOI 技術	1 st	1 st or 2 nd	3		

1. 本地生欲修習全英文課程，英文成績須達多益 650 分、托福紙筆測驗 500 分、全民英檢中級或其他相同等級之英檢。

Taiwanese students, who want to join English-taught program, shall meet one of the language requirements, indicated below:

TOEIC-650 / TOEFL-500(paper-based)/ GEPT-Intermediate Level/Equivalent test score of other English proficiency tests.

2. 總畢業學分數為 27 學分(含校、系定必修核心課程 12 學分與系定選修課程 15 學分)

Graduation requirement:27credits (including 12 credits of Required Courses and 15 credits of Elective Courses)

系所主管簽章:

學院院長簽章:

國際學院院長簽章: