

◎通訊科學與系統 Communication Science and Systems

領域名稱 Program	核心課程 Core Courses	大學部領域相關專業選修課程 Related Undergraduate Elective Courses	研究所相關課程 Related Graduate Courses
通訊科學與系統 Communication Science and Systems	通訊原理(一) Principle of Communication Engineering (I) 通訊原理(二) Principle of Communication Engineering (II)	演算法導論 Introduction to Algorithms 數據通訊 Data Communication 數位訊號處理導論 Introduction to Digital Communications 相關實驗課程 Related Laboratory Courses: 通訊系統實驗 Communication System Lab 通訊系統電腦模擬 Computer Simulation of Communication Systems	數位通訊 Digital Communication 檢測與估計(理論) Detection and Estimation (Theory) 隨機過程 Random Process 編碼理論 Coding Theory 消息理論 Information Theory 適應性訊號處理 Adaptive Signal Processing 無線通訊訊號處理 Wireless Communication Signal Processing MIMO通訊系統 MIMO Communication Systems 量子訊息與計算 Quantum Information and Computation 最佳化理論與應用 Optimization Theory and Applications 智慧霧運算系統和設計 Intelligent Fog Computing Systems and Designs 訊號處理之數學方法及演算法(一) Mathematical Methods and Algorithms for Signal Processing (I) 5G技術規格與實驗 5G Specification and experiment