

◎智慧與感測元件 Intelligent and Sensor Device

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
智慧與感測元件 Intelligent and Sensor Device	材料科學導論 Introduction to Material Science 電磁波 Electromagnetic Wave 感測與光電導論 Introduction to Sensor and Optoelectronics	量子力學導論 Introduction to Quantum Mechanics 固態物理(一)(二) Solid State Physics(I)(II) 相關實驗課程Related Laboratory Courses: 半導體實驗 Semiconductor Laboratory 元件電路計測實驗 Device and Circuit Characterization Laboratory	固態物理 Solid State Physics 半導體物理及元件(一)(二) Semiconductor Physics and Devices(I)(II) 光電子學 Optical Electronics 高等電磁學(一) Advanced Electromagnetics(I) 積體電路技術(一)(二) Integrated Circuit Technology(I)(II) 記憶體元件與製程 Semiconductor Memories and Their Fabrication Technologies 太陽能電池物理與技術 Solar Cell Physics and Technology CMOS元件、可靠度及應用之特論 Special Topics of CMOS Devices, Reliability, and Applications 量子力學 Quantum Mechanics 材料分析 Materials Analysis 微機電元件技術 Component Technology of MEMS 元件電路計測實驗 Device and Circuit Characterization Laboratory 電子材料 Electronic Materials 薄膜技術及分析 Thin Film Technology and Analysis 單光子元件與系統 Single-Photon Devices and Systems 半導體雷射 Semiconductor Laser 光電半導體物理及元件 Semiconductor Optoelectronic Devices and Physics