◎生醫工程 Biomedical Engineering

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
生醫工程 Biomedical Engineering	醫學工程導論 Introduction to Biomedical Engineering 數位訊號處理導論 Introduction to Digital Signal Processing	人工智慧導論 Introduction to Artificial Intelligence 人體結構、功能、臨床及醫療器材 Human Function Anatomy and Medical Instrument Application VLSI導論 Introduction to VLSI Circuits 類比積體電路導論 Introduction to Analog Integrated Circuits 相關實驗課程Related Laboratory Courses: 生醫工程實驗 Biomedical Engineering Laboratory	數位訊號處理 Digital Signal Processing 影像處理 Digital Image Processing 生醫統計學 Biomedical Statistics 神經彌補裝置 Neural Prosthesis 超音波導論與應用 Introduction to Ultrasound and its Applications 近代生醫電學 Modern Bioelectricity 醫學工程 Biomedical Engineering Research 仿生科技 Biomimicry 生醫信號分析和模擬 Biomedical Signal Analysis and Modeling 穿戴式裝置系統晶片設計 Wearable device system on a chip (SOC) design 臨床醫學工程概論 Introductiion of Medical Engineering 醫療電子臨床導入 Clinical Application of Medical Electronic Devices