

**生技醫藥產業碩士學位學程 113學年度課程地圖**  
**Course Curriculum for Master Students in Biotechnology and**  
**Pharmaceutical Industries Program (for Students Starting Fall 2024)**

必修課 Required Courses (12 Credits)			
生技醫藥產業概論2(碩) Studies in Biotech- Pharmaceutical Industry	生技產品開發與智財管理3(碩) Biotech Product Development and Intellectual Property Management	生醫產業研發管理3(碩) Research and Design Management in Bioindustry	專題討論2(碩)x2 Seminar



領域進階課程(至少選1科) Core Elective Courses(Select at Least One)		
生態學與演化領域 Ecology and Evolution	細胞生物暨分子醫學領域 Cellular and Molecular	生理學領域 Physiology
演化生物學3(碩博) Evolutionary Biology 進階生態學3-英(碩博) Advanced Ecology -E	細胞及分子生物學3(碩博) Cellular and Molecular Biology 實驗生物學研究方法2(碩博) Research Methods of Experimental Biology	現代生理學3(碩) Modern Physiology 實驗生理學2(碩博) Experimental Physiology



選修課 Elective Courses		
專屬課程 Exclusive courses	實習課程 Industry courses	院內課程 School courses
<u>生技醫藥產業學程開設</u> 生技醫藥產業特論3(碩) Topics on Biotech- Pharmaceutical Industry 中西醫藥產業面面觀3(碩) Pharmaceutical Industry Aspects on Chinese and Western Medicine 轉譯醫學2(碩) Translational Medicine 分析儀器在生醫產業的運用2(碩) Application of analytic instruments in Biomedical industry 生醫產業智財特論3(碩) Special Topics of Intellectual Property in Biomedical Industry <u>生科系開設</u> 光電科技在生醫上的應用2(碩博) Application of Optoelectronic Technology in Biomedical 生物醫學工程概論3(大碩) Introduction to Biomedical Engineering 生醫材料概論3-英(大碩) Introduction to Biomaterials-E <u>光電所開設</u> 生醫晶片製程技術3(碩博) Bio-Chips Manufacturing Technology	<u>生技醫藥產業學程開設</u> 海外生技醫藥產業實習3(碩) Internship in Overseas Biotech- Pharmaceutical Industry 國內生技醫藥產業實習3(碩) Internship in Domestic Biotech- Pharmaceutical Industry <u>生科系開設</u> 產業實習3(大碩博) Industrial Practice	<u>生科系開設</u> 生科所有課程均列入選修 All courses in Life Science department <u>營養學程開設</u> 保健食品特論3(碩) Topics in Functional Foods

**畢業24學分**  
**Graduation (24 Credits)**