

Undergraduate							
Required / Elective	Subject ID	Subject Name		Credit	Hoursr	Year	Semester
University Requirements	DGGC0058	英文(一)	FRESHMAN ENGLISH(1)	3	3	1	1
University Requirements	DGGC0732	體育(基礎游泳)	PHYSICAL EDUCATION(SWIMMING FOR BEGINNERS)	0	2	1	1
University Requirements	DGGC0803	本國語文(一)	CHINESE(I)	3	3	1	1
University Requirements	DGGC1708	勞作教育(一)	MANUAL TRAINING (1)	0	1	1	1
University Requirements	DGGC1886	大學導航	NAVIGATING COLLEGE	1	1	1	1
University Requirements	DGGC1887	自主學習	SELF-DIRECTED LEARNING	1	1	1	1
University Requirements	DGGC0304	英文(二)	FRESHMAN ENGLISH(2)	3	3	1	2
University Requirements	DGGC0733	體育(健康體適能)	PHYSICAL EDUCATION(PHYSICAL FITNESS)	0	2	1	2
University Requirements	DGGC0804	本國語文(二)	CHINESE(II)	3	3	1	2
University Requirements	DGGC1709	勞作教育(二)	MANUAL TRAINING (2)	0	1	1	2
University Requirements	DGGC0168	體育(三)	PHYSICAL EDUCATION(3)	0	2	2	1
University Requirements	DGGC0293	歷史思維	HISTORICAL THINKING	2	2	2	1
University Requirements	DGGC0170	體育(四)	PHYSICAL EDUCATION(4)	0	2	2	2
University Requirements	DGGC0799	民主與法治	DEMOCRACY AND LAW	2	2	2	2
Major Requirements	DEEP0146	普通物理(一)	GENERAL PHYSICS (1)	3	3	1	1
Major Requirements	DEEP0148	邏輯設計	LOGIC DESIGN	3	3	1	1
Major Requirements	DEEP0150	電機資訊工程概論	IUTRODUCTION TO ELECTRICAL AND INFORMATION ENGINEERING	2	2	1	1
Major Requirements	DEEP0475	微積分(一)	CALCULUS(1)	4	4	1	1
Major Requirements	DEEP0477	程式設計實驗(一)	PROGRAM DESIGN AND EXPERIMENT(1)	1	3	1	1
Major Requirements	DEEP0633	物理實驗(一)	PHYSICS LAB(1)	1	3	1	1
Major Requirements	DEEP0159	電路學(一)	ELECTRIC CIRCUIT(1)	3	3	1	2
Major Requirements	DEEP0303	普通物理(二)	GENERAL PHYSICS(2)	3	3	1	2
Major Requirements	DEEP0476	微積分(二)	CALCULUS(2)	4	4	1	2
Major Requirements	DEEP0478	程式設計實驗(二)	PROGRAM DESIGN AND EXPERIMENT(2)	1	3	1	2
Major Requirements	DEEP0634	物理實驗(二)	PHYSICS LAB(2)	1	3	1	2
Major Requirements	DEEP0066	線性代數	LINEAR ALGEBRA	3	3	2	1
Major Requirements	DEEP0157	電子學(一)	MICRO-ELECTRONICS(1)	3	3	2	1
Major Requirements	DEEP0160	電路學(二)	ELECTRIC CIRCUIT(2)	3	3	2	1
Major Requirements	DEEP0620	工程數學(一)	ENGINEERING MATHEMATICS(1)	3	3	2	1
Major Requirements	DEEP0105	信號與系統	SIGNALS AND SYSTEMS	3	3	2	2
Major Requirements	DEEP0158	電子學(二)	MICRO-ELECTRONICS(2)	3	3	2	2
Major Requirements	DEEP0306	電工實驗(一)	ELECTRICAL LAB (1)	1	3	2	2
Major Requirements	DEEP0308	電磁學(一)	ELECTROMAGNETICS(1)	3	3	2	2
Major Requirements	DEEP0621	工程數學(二)	ENGINEERING MATHEMATICS(2)	3	3	2	2
Major Requirements	DEEP0110	電力電子學	POWER ELECTRONICS	3	3	3	1
Major Requirements	DEEP0262	電機機械(一)	ELECTRIC MACHINERY (1)	3	3	3	1
Major Requirements	DEEP0309	電工實驗(二)	ELECTRICAL LAB (2)	1	3	3	1
Major Requirements	DEEP0310	電磁學(二)	ELECTROMAGNETICS(2)	3	3	3	1
Major Requirements	DEEP0479	微算機原理	PRINCIPLES OF MICROCOMPUTER	2	2	3	1
Major Requirements	DEEP0480	微算機實驗	MICROCOMPUTER LAB	1	3	3	1
Major Requirements	DEEP0311	專題研究(一)	SPECIAL TOPIC RESEARCH(1)	1	3	3	2
Major Requirements	DEEP0312	專題研究(二)	SPECIAL TOPIC RESEARCA(2)	1	3	4	1
College Electives	DEE00030	半導體製造設備通論	INTRODUCTION TO SEMICONDUCTOR MANUFACTURING EQUIPMENTS	2	2	3	2
College Electives	DEE00031	半導體設備手冊研讀通論	INTRODUCTION TO SEMICONDUCTOR EQUIPMENTS MANUALS STUDYING	2	2	3	2
College Electives	DSS00042	電動機車診斷與修護	ELECTRIC MOTORCYCLE DIAGNOSTICS AND REPAIR	1	1	3	2
College Electives	DSS00043	電動機車診斷與修護實作	ELECTRIC MOTORCYCLE DIAGNOSTICS AND REPAIR PRACTICE	1	2	3	2
College Electives	DSS00048	電動車概論	INTRODUCTION OF ELECTRIC VEHICLES	3	3	3	2
College Electives	DEE00021	工廠實務(一)	FACTORY PRACTICAL(1)	3	12	4	1
College Electives	DEE00023	機器人大觀園	GRAND VIEW ON ROBOT	2	2	4	1
College Electives	DEE00025	物聯網於網路行銷之整合應用	IOT-BASED INTERNET MARKETING	2	2	4	1
College Electives	DEE00027	網路資訊與賽局導論	INTRODUCTION TO GAMES AND NETWORK INFORMATION	2	2	4	1
College Electives	DEE00028	Python程式與大數據分析	PYTHON PROGRAMMING AND DATA ANALYSIS	2	2	4	1
College Electives	DSS00044	電動機車元件特性與量測	CHARACTERISTICS AND MEASUREMENTS OF ELECTRICAL SCOOTER COMPONENTS	3	3	4	1
College Electives	DSS00047	鋰電池結構特性與測試	STRUCTURE,CHARACTERISTICS, MEASUREMENT AND TESTING OF LITHIUM BATTERY	3	3	4	1
College Electives	DEE00001	工程倫理	ENGINEERING ETHICS	2	2	4	2
College Electives	DEE00014	科技英文寫作	ENGLISH TECHNICAL WRITING	3	3	4	2

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Required / Elective	Subject ID	Subject Name	Credit	Hoursr	Year	Semester
College Electives	DEE00022	工廠實務(二)	3	12	4	2
College Electives	DEE00024	雲端服務於時間管理之整合應用	2	2	4	2
College Electives	DEE00026	行動手機程式設計概論	3	3	4	2
College Electives	DEE00029	電子電路自動化通論	3	3	4	2
Major Electives	DEEP0535	普通化學	3	3	1	1
Major Electives	DEEP0609	工程英文導讀(一)	1	1	1	1
Major Electives	DEEP0103	電腦網路概論	3	3	1	2
Major Electives	DEEP0313	邏輯設計實驗	1	3	1	2
Major Electives	DEEP0610	工程英文導讀(二)	1	1	1	2
Major Electives	DEEP0191	機電整合	3	3	2	1
Major Electives	DEEP0245	近代物理	3	3	2	1
Major Electives	DEEP0484	可程式控制器與實作	3	3	2	1
Major Electives	DEEP0536	向量分析	3	3	2	1
Major Electives	DEEP0566	電腦圖控與機器人實務	3	3	2	1
Major Electives	DEEP0002	工業電子學	3	3	2	2
Major Electives	DEEP0095	機率與統計	3	3	2	2
Major Electives	DEEP0380	隨機程序	3	3	2	2
Major Electives	DEEP0520	材料科學導論	3	3	2	2
Major Electives	DEEP0574	程式設計實務	3	3	2	2
Major Electives	DEEP0575	硬體描述語言電路設計	3	3	2	2
Major Electives	DEEP0118	電磁學	3	3	3	1
Major Electives	DEEP0203	數值分析	3	3	3	1
Major Electives	DEEP0214	最佳化技術	3	3	3	1
Major Electives	DEEP0330	固態物理	3	3	3	1
Major Electives	DEEP0440	控制系統	3	3	3	1
Major Electives	DEEP0446	IC設計概論	3	3	3	1
Major Electives	DEEP0468	電子材料	3	3	3	1
Major Electives	DEEP0489	類比電路設計	3	3	3	1
Major Electives	DEEP0565	通訊實驗	1	3	3	1
Major Electives	DEEP0570	通訊原理	3	3	3	1
Major Electives	DEEP0596	基礎影像處理與電腦視覺	3	3	3	1
Major Electives	DEEP0624	智慧照護系統	3	3	3	1
Major Electives	DEEP0644	MATLAB在工程上的應用	3	3	3	1
Major Electives	DEEP0021	配電設計	3	3	3	2
Major Electives	DEEP0032	微處理機界面	3	3	3	2
Major Electives	DEEP0045	電動機控制	3	3	3	2
Major Electives	DEEP0048	電磁波	3	3	3	2
Major Electives	DEEP0058	數位控制	3	3	3	2
Major Electives	DEEP0077	資料結構	3	3	3	2
Major Electives	DEEP0097	數位影像處理	3	3	3	2
Major Electives	DEEP0108	計算機結構	3	3	3	2
Major Electives	DEEP0114	感測與轉換	3	3	3	2
Major Electives	DEEP0134	切換式電源供應器	3	3	3	2
Major Electives	DEEP0223	動態系統分析	3	3	3	2
Major Electives	DEEP0224	機器人學	3	3	3	2
Major Electives	DEEP0264	電力系統	3	3	3	2
Major Electives	DEEP0269	電機機械(二)	3	3	3	2
Major Electives	DEEP0271	電子電路設計實務	3	3	3	2
Major Electives	DEEP0278	作業研究	3	3	3	2
Major Electives	DEEP0282	電力品質概論	3	3	3	2
Major Electives	DEEP0338	電腦輔助電磁場分析實驗	1	3	3	2
Major Electives	DEEP0342	電力系統實驗	1	3	3	2
Major Electives	DEEP0351	定點DSP於電力轉換器之應用	3	3	3	2
Major Electives	DEEP0383	數位通訊	3	3	3	2
Major Electives	DEEP0439	電力電子學實驗	1	3	3	2
Major Electives	DEEP0461	現代控制	3	3	3	2

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Required / Elective	Subject ID	Subject Name	Credit	Hoursr	Year	Semester	
Major Electives	DEEP0462	電動機控制實驗	ELECTRIC MOTOR DRIVES LAB	1	3	3	2
Major Electives	DEEP0506	電機機械分析與模擬	ELECTRIC MACHINERY ANALYSIS AND SIMULATION	3	3	3	2
Major Electives	DEEP0524	交直流伺服系統	AC AND DC SERVO SYSTEM	3	3	3	2
Major Electives	DEEP0525	分散式發電系統	DISTRIBUTED POWER GENERATION SYSTEM	3	3	3	2
Major Electives	DEEP0571	控制系統實驗	CONTROL SYSTEM LAB	1	3	3	2
Major Electives	DEEP0593	醫學工程概論	PRINCIPLES OF BIOMEDICAL ENGINEERING	3	3	3	2
Major Electives	DEEP0602	生醫影像系統臨床導入	CLINICAL APPLICATION OF BIOMEDICAL IMAGING SYSTEM	3	3	3	2
Major Electives	DEEP0608	高低壓配電設備檢驗	INSPECTION AND TESTING OF POWER DISTRIBUTION EQUIPMENT	3	3	3	2
Major Electives	DEEP0627	物聯網應用實務與實作	APPLICATIONS AND EXPERIMENT OF IOT	3	3	3	2
Major Electives	DEEP0631	電機機械實驗(一)	ELECTRIC MACHINERY LAB(1)	1	3	3	2
Major Electives	DEEP0640	電機科技倫理講座	LECTURES ON ELECTRICAL TECHNOLOGY AND ETHICS	3	3	3	2
Major Electives	DEEP0650	光電子材料	OPTOELECTRONIC MATERIAL	3	3	3	2
Major Electives	DEEP0094	模糊控制	FUZZY CONTROL	3	3	4	1
Major Electives	DEEP0096	類神經網路	ARTIFICIAL NEURAL NETWORK	3	3	4	1
Major Electives	DEEP0123	數位信號處理	DIGITAL SIGNAL PROCESSING	3	3	4	1
Major Electives	DEEP0133	離散數學	DISCRETE MATHEMATICS	3	3	4	1
Major Electives	DEEP0152	工業儀表	INDUSTRIAL INSTRUMENT	3	3	4	1
Major Electives	DEEP0181	能源應用	ENERGY APPLICATIONS	3	3	4	1
Major Electives	DEEP0226	交流伺服控制	AC SERVO MOTOR CONTROL	3	3	4	1
Major Electives	DEEP0237	微處理器系統設計	MICROPROCESSOR SYSTEM DESIGN	3	3	4	1
Major Electives	DEEP0272	電力轉換器控制	POWER CONVERTORS CONTROL	3	3	4	1
Major Electives	DEEP0277	高壓工程	HIGH-VOLTAGE ENGINEERING	3	3	4	1
Major Electives	DEEP0279	彈性交流輸電系統	FLEXIBLE AC TRANSMISSION SYSTEMS	3	3	4	1
Major Electives	DEEP0284	工程經濟	ENGINEERING ECONOMICS	3	3	4	1
Major Electives	DEEP0288	模糊系統	FUZZY SYSTEMS	3	3	4	1
Major Electives	DEEP0322	色彩技術原理與應用	COLOR TECHNOLOGY AND APPLICATIONS	3	3	4	1
Major Electives	DEEP0343	電力系統運轉	POWER SYSTEMS OPERATION	3	3	4	1
Major Electives	DEEP0357	數位控制實驗	DIGITAL CONTROL LAB	1	3	4	1
Major Electives	DEEP0401	電源管理IC設計	DESIGN OF POWER MANAGEMENT ICs	3	3	4	1
Major Electives	DEEP0408	嵌入式系統	EMBEDDED SYSTEMS	3	3	4	1
Major Electives	DEEP0449	超音波工程概論	INTRODUCTION TO ULTRASONIC ENGINEERING	3	3	4	1
Major Electives	DEEP0460	通信概論	INTRODUCTION TO COMMUNICATION	3	3	4	1
Major Electives	DEEP0463	微波工程	MICROWAVE ENGINEERING	3	3	4	1
Major Electives	DEEP0512	應用工程數學(全英文授課)	APPLIED ENGINEERING MATHEMATICS	3	3	4	1
Major Electives	DEEP0519	虛擬儀表技術(一)	VIRTUAL INSTRUMENT TECHNIQUE(1)	3	3	4	1
Major Electives	DEEP0528	電力轉換器模擬與分析	POWER CONVERTER SIMULATION AND ANALYSIS	3	3	4	1
Major Electives	DEEP0529	太陽能電能轉換技術	SOLAR ENERGY POWER CONVERT TECHNIQUE	3	3	4	1
Major Electives	DEEP0534	電磁元件分析與設計	ELECTROMAGNETIC DEVICES ANALYSIS AND DESIGN	3	3	4	1
Major Electives	DEEP0576	DSP原理與實作	DSP THEORY AND LAB	3	3	4	1
Major Electives	DEEP0603	生醫影像處理系統	ADVANCED BIOMEDICAL IMAGE PROCESSING SYSTEM	3	3	4	1
Major Electives	DEEP0623	資訊理論與應用	INFORMATION THEORY AND ITS APPLICATION	3	3	4	1
Major Electives	DEEP0628	校外實習(一)	PRACTICUM OF OUTSIDE SCHOOL(1)	3	12	4	1
Major Electives	DEEP0632	電機機械實驗(二)	ELECTRIC MACHINERY LAB(2)	1	3	4	1
Major Electives	DEEP0642	智慧製造技術	SMART MANUFACTURING TECHNOLOGY	3	3	4	1
Major Electives	DEEP0649	製造聯網整合技術	INTERNET OF THINGS FOR INDUSTRY	3	3	4	1
Major Electives	DEEP0664	問題分析與解決	PROBLEM ANALYSIS AND SOLVING	3	3	4	1
Major Electives	DEEP0049	電機設計	ELECTRIC MACHINERY DESIGN	3	3	4	2
Major Electives	DEEP0121	可變結構控制	VARIABLE STRUCTURE CONTROL	3	3	4	2
Major Electives	DEEP0135	天線導論	INTRODUCTION TO ANTENNA	3	3	4	2
Major Electives	DEEP0136	高等電機理論	ADVANCED ELECTRIC MACHINERY	3	3	4	2
Major Electives	DEEP0227	交流伺服控制實驗	AC SERVO MOTOR CONTROL LAB	1	3	4	2
Major Electives	DEEP0233	電力監控	POWER SUPERVISION AND CONTROL	3	3	4	2
Major Electives	DEEP0273	再生能源轉換	CONVERSION OF REGENERATIVE ENERGY	3	3	4	2
Major Electives	DEEP0274	電磁干擾與對策	ELECTROMAGNETIC INTERFERENCE AND COMPLIMENT	3	3	4	2
Major Electives	DEEP0275	微機電工程導論	INTRODUCTION TO MICROELECTROMECHANICAL SYSTEMS	3	3	4	2
Major Electives	DEEP0290	智慧型控制系統	INTELLIGENT CONTROL SYSTEMS	3	3	4	2

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Major Electives	DEEP0292	非線性系統導論	INTRODUCTION TO NONLINEAR SYSTEMS	3	3	4	2
Major Electives	DEEP0299	浮點DSP原理與應用	FLOATING-POINT DIGITAL SIGNAL PROCESSORS AND THEIR APPLICATIONS	3	3	4	2
Major Electives	DEEP0323	SOC設計導論	INTRODUCTION TO SOC DESIGN	3	3	4	2
Major Electives	DEEP0324	嵌入式系統設計導論	INTRODUCTION TO EMBEDDED SYSTEM DESIGN	3	3	4	2
Major Electives	DEEP0334	高頻電路設計	RF CIRCUIT DESIGN	3	3	4	2
Major Electives	DEEP0335	半導體元件與物理	SEMICONDUCTOR DEVICES AND PHYSICS	3	3	4	2
Major Electives	DEEP0344	高壓工程實驗	HIGH-VOLTAGE ENGINEERING LAB	1	3	4	2
Major Electives	DEEP0443	DSP於電力轉換器之應用	CONTROL OF POWER CONVERTER BASED ON DSP	3	3	4	2
Major Electives	DEEP0464	半導體製程技術	SEMICONDUCTOR MANUFACTURING TECHNOLOGY	3	3	4	2
Major Electives	DEEP0483	電業自由化導論	INTRODUCTION TO ELECTRICITY DEREGULATION	3	3	4	2
Major Electives	DEEP0511	應用微積分(全英文授課)	APPLIED CALCULUS	3	3	4	2
Major Electives	DEEP0522	虛擬儀表技術〈二〉	VIRTUAL INSTRUMENT TECHNIQUE (2)	3	3	4	2
Major Electives	DEEP0532	光電半導體元件與製程	OPTOELECTRIC SEMICONDUCTOR DEVICE AND PROCESS	3	3	4	2
Major Electives	DEEP0533	太陽能電池	SOLAR CELL	3	3	4	2
Major Electives	DEEP0578	醫用超音波	ULTRASOUND IN MEDICINE	3	3	4	2
Major Electives	DEEP0629	校外實習(二)	PRACTICUM OF OUTSIDE SCHOOL(2)	3	12	4	2
Major Electives	DEEP0652	鋰電池結構特性與測試	STRUCTURE, CHARACTERISTICS, AND MEASURING/TESTING OF LITHIUM BATTERIES	3	3	4	2
Major Electives	DEEP0653	電動車概論	INTRODUCTION OF ELECTRIC VEHICLES	3	3	4	2
General Liberal Arts Classification	DGGC1713	人文、藝術與美學	HUMANITIES ARTS AND AESTHETICS	2	2	2	1
General Liberal Arts Classification	DGGC1714	媒體與資訊	MEDIA AND INFORMATION	2	2	2	2
General Liberal Arts Classification	DGGC1715	社會、法律與經濟	SOCIETY LAW AND ECONOMY	2	2	3	1
General Liberal Arts Classification	DGGC1712	倫理、哲學與宗教	ETHICS AND PHILOSOPHY RELIGION	2	2	3	2
General Liberal Arts Classification	DGGC1711	自然科學與應用科技	NATURAL SCIENCE AND APPLIED TECHN	2	2	4	1
General Liberal Arts Classification	DGGC1840	博雅選修課程(一)	LIBERAL EDUCATION COURSES(一)	2	2	4	2
General Liberal Arts Classification	DGGC1841	博雅選修課程(二)	LIBERAL EDUCATION COURSES(二)	2	2	4	2
Option Electives	DGGP0025	全民國防教育軍事訓練(一)	All-out Defense Education Military Training - International Situations	2	2	1	1
Option Electives	DGGP0026	全民國防教育軍事訓練(二)	All-out Defense Education Military Training - National Defense Policies	2	2	1	2
Option Electives	DGGP0027	全民國防教育軍事訓練(三)	All-out Defense Education Military Training - Civil Defense	2	2	2	1
Option Electives	DGGP0028	全民國防教育軍事訓練(四)	All-out Defense Education Military Training - Defense Mobilization	2	2	2	2
Option Electives	DGGP0029	全民國防教育軍事訓練(五)	All-out Defense Education Military Training - Defense Technology	2	2	3	1