

Chang Jung Christian University Department of Computer Science and Information Engineering Curriculum List

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obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week		Remark
							instruction	parctice	
common course-obligatory	MT00085	全民國防教育軍事訓練-國際情勢	All-out Defence Education Military Training - International Situations	1	1	0	2	0	
	MT00086	全民國防教育軍事訓練-國防政策	All-out Defence Education Military Training - National Defense Policies	1	2	0	2	0	
	PE00217	體育 I	Physical Education I	1	1	0	2	0	
	PE00218	體育 II	Physical Education II	1	2	0	2	0	
	PE00219	體育 III	Physical Education III	2	1	0	2	0	
	PE00220	體育 IV	Physical Education IV	2	2	0	2	0	
language course-obligatory	GE00561	國文	Chinese	1	2	2	2	0	
	LE00297	英文 I	Freshman English I	1	1	2	2	0	
	LE00298	英文 II	Freshman English II	1	2	2	2	0	
	LE00299	外語初級 I		2	1	2	2	0	
	LE00300	外語初級 II		2	2	2	2	0	
general course-obligatory	CS00055	資訊倫理	Information Ethics	2	1	3	3	0	
	GE00206	音樂欣賞	Music Appreciation	1	1	2	2	0	
	GE00537	服務學習	Service-Learning	2	1	1	1	2	
	GE00562	長榮精神	University and Holistic Pastoral Education	1	2	2	2	0	
	GE00567	通識課程		0	1	8	2	0	
	GE00656	體驗學習	Experience Learning	1	1	1	1	2	
	GE00663	經典99	Classics 99	0	1	2	2	0	
dep. course-obligatory	CS00106	計算機概論 I	Basic Computer Concept I	1	1	3	3	0	
	CS00110	程式設計 I	Computer Programming I	1	1	3	3	0	
	CS00123	微積分	Calculus	1	1	3	3	0	
	CS00107	計算機概論 II	Basic Computer Concept II	1	2	3	3	0	
	CS00111	程式設計 II	Computer Programming II	1	2	3	3	0	
	CS00088	資料結構 I	Data Structure I	2	1	3	3	0	
	CS00074	線性代數 I	Linear Algebra I	2	1	3	3	0	
	CS00153	邏輯設計	Logic Design	2	2	3	3	0	
	CS00079	離散數學 I	Discrete Mathematics I	2	2	3	3	0	
	CS00130	計算機網路	Computer Networks	2	2	3	3	0	
	CS00008	作業系統 I	Operating Systems I	3	1	3	3	0	
	CS00010	系統程式	System Programs	3	1	3	3	0	
	CS00017	計算機結構 I	Computer Architecture I	3	2	3	3	0	
	CS00062	演算法	Algorithm	3	2	3	3	0	
	CS00112	專案實作 I	Graduation Project I	3	2	3	3	0	

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dep. course-obligatory	CS00113	專案實作II	Graduation Project II	4	1	3	3	0	
dep. course-elective	CS00160	資訊暨設計學院微學分 I	Micro Credit Points in College of Information and Design I	0	1	1	1	0	
	CS00161	資訊暨設計學院微學分 II	Micro Credit Points in College of Information and Design II	0	1	1	1	0	
	CS00053	資訊科技實務 I	Practice in Information Technology I	1	1	3	3	0	
	CS00043	視窗程式設計	Windows Programming	1	1	3	3	0	
	CS00120	科技英文	Technology English	1	1	2	2	0	
	CS00155	科技與歷史互動-創意3D列印設計與應用	The interaction between history and technology: 3D printing	1	1	2	2	0	
	CS00054	資訊科技實務 II	Practice in Information Technology II	1	2	3	3	0	
	CS00063	網際網路概論	Introduction to Internet	1	2	3	3	0	
	CS00115	基本電學	Basic Electricity	1	2	3	3	0	
	CS00058	電子電路學	Electronic Circuits	2	1	3	3	0	
	CS00093	物件導向程式設計 I	Object Oriented Programming I	2	1	3	3	0	
	CS00095	動態網頁設計	Dynamic Web Page Design	2	1	3	3	0	
common course-elective	MT00040	軍訓III	Military Education III	2	1	1	2	0	
dep. course-elective	CS00116	電子電路應用	Electronic Circuit Applications	2	1	2	2	0	
	CS00118	UNIX系統實務	UNIX Operating System Practice	2	1	3	3	0	
	CS00131	多媒體概論	Fundamentals of Multimedia	2	1	3	3	0	
	CS00005	生物資訊概論	Introduction to Bioinformatics	2	2	3	3	0	
	CS00094	物件導向程式設計 II	Object Oriented Programming II	2	2	3	3	0	
	CS00096	工程數學	Engineering Mathematics	2	2	3	3	0	
	CS00089	資料結構 II	Data Structure II	2	2	3	3	0	
	CS00075	線性代數 II	Linear Algebra II	2	2	3	3	0	
common course-elective	MT00042	軍訓IV	Military Education IV	2	2	1	2	0	
dep. course-elective	CS00117	邏輯設計實務	Logic Design Practices	2	2	2	2	0	
	CS00132	多媒體實務	Multimedia Applications	2	2	3	3	0	
	CS00067	數位訊號處理	Digital Signal Processing	3	1	3	3	0	
	CS00090	網際網路程式設計	Web Programming	3	1	3	3	0	

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dep. course-elective	CS00080	離散數學 II	Discrete Mathematics II	3	1	3	3	0	
	CS00125	資料庫系統	Database Systems	3	1	3	3	0	
	CS00124	互動多媒體	Interactive Multimedia	3	1	3	3	0	
	CS00127	機率與統計	Probability and Statistics	3	1	3	3	0	
	CS00129	行動裝置程式設計	Mobile Device Programming	3	1	3	3	0	
	CS00133	雲端計算	Cloud Computing	3	1	3	3	0	
common course-elective	PE00343	體育V	Physical Education V	3	1	1	2	0	
dep. course-elective	CS00034	軟體工程	Software Engineering	3	2	3	3	0	
	CS00039	無線通訊系統	Wireless Communication Systems	3	2	3	3	0	
	CS00057	資訊檢索	Information Retrieval	3	2	3	3	0	
	CS00011	物件導向軟體工程	Object-Oriented Software Engineering	3	2	3	3	0	
	CS00154	數位影像處理	Digital Image Processing	3	2	3	3	0	
	CS00105	微處理機原理與應用	Principles and Applications of Microprocessors	3	2	3	3	0	
	CS00068	數位學習	Digital Learning	3	2	3	3	0	
	CS00126	資料庫應用	Database Applications	3	2	3	3	0	
common course-elective	PE00344	體育VI	Physical Education VI	3	2	1	2	0	
dep. course-elective	CS00018	計算機結構 II	Computer Architecture II	4	1	3	3	0	
	CS00073	編譯程式	Compiler	4	1	3	3	0	
common course-elective	CS00081	體育VII	Physical Education VII	4	1	1	2	0	
dep. course-elective	CS00102	視訊處理	Video Signal Processing	4	1	3	3	0	
	CS00119	資訊安全管理	Information Security Management	4	1	3	3	0	
	CS00004	人機介面	Human-Computer Interface	4	1	3	3	0	
	CS00135	進階專案實作	Advance Graduation Project	4	1	3	3	0	
	CS00122	高等程式設計	Advanced Computer Programming	4	1	3	3	0	
	CS00143	微處理器及數位系統	Microprocessors and Digital Systems	4	1	3	3	0	
	CS00144	高效能及平行計算系統	High Performance and Parallel Computing	4	1	3	3	0	
	CS00145	通訊及訊號處理	Telecoms & Signal Processing	4	1	3	3	0	
	CS00146	電路設計	Electronic Design	4	1	3	3	0	

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dep. course-elective	CS00052	資訊科技專題	Special Topic on Information Technology	4	2	3	3	0	
	CS00048	資料探勘	Data Mining	4	2	3	3	0	
	CS00002	人工智慧	Artificial Intelligence	4	2	3	3	0	
common course-elective	CS00082	體育VIII	Physical Education VIII	4	2	1	2	0	
dep. course-elective	CS00009	作業系統 II	Operating Systems II	4	2	3	3	0	
	CS00036	嵌入式系統	Embedded Systems	4	2	3	3	0	
	CS00099	網路安全	Network Security	4	2	3	3	0	
	CS00136	多媒體音訊處理	Audio Signal Processing	4	2	3	3	0	
	CS00147	企業實習 I	Internship in Enterprises I	4	2	3	0	9	
	CS00148	企業實習 II	Internship in Enterprises II	4	2	3	0	9	
	CS00149	企業實習 III	Internship in Enterprises III	4	2	3	0	9	
obligatory 77 elective course 51 credit sum 128									