

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

Print Date 2018/5/24 上午11:12:

Page 1 / 4

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	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	
	ZA00096	資訊倫理	Information Ethics	2	1	3	3	0	
dep. course-obligatory	ZA00098	程式設計實務	Programming Practice	1	1	2	2	0	
	ZA00009	程式設計 I	Computer Language Programming I	1	1	3	3	0	
	ZA00097	計算機概論 I	Basic Computer Concept I	1	1	3	3	0	
	ZA00010	程式設計 II	Computer Programming II	1	2	3	3	0	
	ZA00100	微積分	Calculus	1	2	3	3	0	
	ZA00101	線性代數 I	Linear Algebra	2	1	3	3	0	
	ZA00034	資料結構	Data Structures	2	1	3	3	0	
	ZA00102	離散數學 I	Discrete Mathematics I	2	2	3	3	0	
	ZA00103	計算機網路	Computer Networks	2	2	3	3	0	
	ZA00007	邏輯設計	Logic Circuits Design	2	2	3	3	0	
	ZA00104	系統程式	System Programs	3	1	3	3	0	
	ZA00105	作業系統 I	Operating Systems I	3	1	3	3	0	
	ZA00106	專案實作 I	Graduation Project I	3	2	3	3	0	
	ZA00108	演算法	Algorithm	3	2	3	3	0	

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

Print Date 2018/5/24 上午11:12:

Page 2 / 4

obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week		Remark
							instruction	parctice	
dep. course-obligatory	ZA00109	計算機結構 I	Computer Architecture I	3	2	3	3	0	
	ZA00107	專案實作II	Graduation Project II	4	1	3	3	0	
dep. course-elective	ZA00346	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	
	ZA00347	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	
	ZA00114	物聯網概論	Basic Internet of Things	1	1	3	3	0	
	ZA00112	資訊科技實務 I	Practice in Information Technology I	1	1	3	3	0	
	ZA00035	視窗程式設計	Windows Programming	1	1	3	3	0	
	ZA00115	科技英文	Technology English	1	1	2	2	0	
	ZA00116	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	
	ZA00120	靜態網頁設計	Static Web Programming	1	2	3	3	0	
	ZA00113	資訊科技實務 II	Practice in Information Technology II	1	2	3	3	0	
	ZA00117	基本電學	Basic Electricity	1	2	3	3	0	
	ZA00118	網際網路概論	Introduction to Internet	1	2	3	3	0	
	ZA00119	計算機概論 II	Basic Computer Concept II	1	2	3	3	0	
	ZA00038	物件導向程式設計	Object Oriented Programming	1	2	3	3	0	
common course-elective	MT00040	軍訓 III	Military Education III	2	1	1	2	0	
dep. course-elective	ZA00121	多媒體概論	Fundamentals of Multimedia	2	1	3	3	0	
	ZA00069	行動裝置程式設計	Programming for Mobile Devices	2	1	3	3	0	
	ZA00123	電子電路應用	Electronic Circuit Applications	2	1	2	2	0	
	ZA00124	電子電路學	Electronic Circuit	2	1	3	3	0	
	ZA00125	網頁互動程式設計	Interactive Web Design and Implement	2	1	3	3	0	
	ZA00220	互動程式設計 I	Interactive Programming I	2	1	3	3	0	
common course-elective	MT00042	軍訓 IV	Military Education IV	2	2	1	2	0	
dep. course-elective	ZA00126	動態網頁設計	Dynamic Web Page Design	2	2	3	3	0	
	ZA00127	多媒體實務	Multimedia Applications	2	2	3	3	0	
	ZA00128	資料結構應用	Data Structure Applications	2	2	3	3	0	
	ZA00129	線性代數 II	Linear Algebra II	2	2	3	3	0	

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

Print Date 2018/5/24 上午11:12:

Page 3 / 4

obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week		Remark
							instruction	parctice	
dep. course-elective	ZA00130	工程數學	Engineering Mathematics	2	2	3	3	0	
	ZA00131	生物資訊概論	Introduction to Bioinformatics	2	2	3	3	0	
	ZA00132	邏輯設計實務	Logic Design Practices	2	2	2	2	0	
	ZA00133	進階行動裝置程式設計	Advance Mobile Device Programming	2	2	3	3	0	
	ZA00234	互動程式設計II	Interactive Programming II	2	2	3	3	0	
	ZA00058	嵌入式系統	Embedded system	2	2	3	3	0	
	ZA00155	資訊安全管理	Information Security Management	2	2	3	3	0	
common course-elective	PE00343	體育V	Physical Education V	3	1	1	2	0	
dep. course-elective	ZA00134	互動多媒體	Interactive Multimedia	3	1	3	3	0	
	ZA00136	離散數學II	Discrete Mathematics II	3	1	3	3	0	
	ZA00079	數位訊號處理	Introduction to Digital Signal Processing	3	1	3	3	0	
	ZA00137	網際網路程式設計	Web Programming	3	1	3	3	0	
	ZA00047	機率與統計	Probabilities and Statistics	3	1	3	3	0	
	ZA00138	遊戲引擎應用	Application of Game Engine	3	1	3	3	0	
	ZA00139	系統分析與設計	System Analysis and Design	3	1	3	3	0	
	ZA00140	雲端計算	Cloud Computing	3	1	3	3	0	
	ZA00350	物聯網大數據分析	IoT Big Data Analysis	3	1	3	3	0	
common course-elective	PE00344	體育VI	Physical Education VI	3	2	1	2	0	
dep. course-elective	ZA00141	無線通訊系統	Wireless Communication Systems	3	2	3	3	0	
	ZA00081	數位影像處理	Digital image processing	3	2	3	3	0	
	ZA00142	軟體工程	Software Engineering	3	2	3	3	0	
	ZA00143	資料庫應用	Database Applications	3	2	3	3	0	
	ZA00144	資訊檢索	Information Retrieval	3	2	3	3	0	
	ZA00145	物件導向軟體工程	Object-Oriented Software Engineering	3	2	3	3	0	
	ZA00146	微處理機原理與應用	Principles and Applications of Microprocessors	3	2	3	3	0	
	ZA00147	數位學習	Digital Learning	3	2	3	3	0	
	ZA00148	人機互動應用	The applications of HUMAN-COMPUTER INTERACTION	3	2	3	3	0	
	ZA00150	作業系統II	Operating Systems II	3	2	3	3	0	
	ZA00352	人工智慧實務	Artificial Intellegent with Practice	3	2	3	3	0	

obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week		Remark
							instruction	parctice	
dep. course-elective	ZA00351	智慧物聯網專題製作	Smart IoT Project	3	2	3	3	0	
common course-elective	PE00225	體育VII	Physical Education VII	4	1	1	2	0	
dep. course-elective	ZA00151	高等程式設計	Advanced Computer Programming	4	1	3	3	0	
	ZA00152	計算機結構II	Computer Architecture II	4	1	3	3	0	
	ZA00153	視訊處理	Video Signal Processing	4	1	3	3	0	
	ZA00154	編譯程式	Compiler	4	1	3	3	0	
	ZA00156	進階專案實作	Advance Graduation Project	4	1	3	3	0	
	ZA00157	微處理器及數位系統	Microprocessors and Digital Systems	4	1	3	3	0	
	ZA00158	高效能及平行計算系統	High Performance and Parallel Computing	4	1	3	3	0	
	ZA00159	通訊及訊號處理	Telecoms & Signal Processing	4	1	3	3	0	
	ZA00160	電路設計	Electronic Design	4	1	3	3	0	
	ZA00353	智慧健康照護	Smart Health Care	4	1	3	3	0	
common course-elective	PE00227	體育VIII	Physical Education VIII	4	2	1	2	0	
dep. course-elective	ZA00082	企業實習 I	Enterprise Internship I	4	2	3	0	9	
	ZA00083	企業實習 II	Enterprise Internship II	4	2	3	0	9	
	ZA00084	企業實習 III	Enterprise Internship III	4	2	3	0	9	
	ZA00161	多媒體音訊處理	Special Topic on Information Technology	4	2	3	3	0	
	ZA00163	資料探勘	Data Mining	4	2	3	3	0	
	ZA00164	資訊科技專題	Special Topic on Information Technology	4	2	3	3	0	
obligatory 76 elective course 52 credit sum 128									