國立勤益科技大學 110 學年度日間部四年制資訊管理系學分計畫表

National Chin-Yi University of Technology

Curriculum Planning of 2021 Four-Year Degree in Department of Information Management

110.04.27 系課程會議通過、110.04.29 系務會議通過
110.05.12 院課程會議通過
110.05.25.校課程委員會議及 110.06.15.教務會議審議通過

科目	Courses	上學期 First Semester			下學期 Second Semester		
		學分 Credits	正課 Lecture	實習 Interns	學分 Credits	正課 Lecture	實習 Interns
共同必修科目(30 學分)　General Required Courses (30credits hours)							
第一學年 First Year							
國文(一)	Chinese (I)	3	3	0			
大一英文(一)	Freshman English (I)	2	2	0			
英文聽講(一)	Listening and Speaking　(I)	1	1	0			
歷史與文化(一)	History and Culture (I)	2	2	0			
體育(一)	Physical Education　(I)	0	2	0			
全民國防教育軍事訓練(一)	All-Out Defense Education Military Training　(I)	0	2	0			
勞作與社會服務教育(一)	Labor and Social services Education　(I)	0	0	1			
音樂鑑賞	Music Appreciation	1	1	0			
國文(二)	Chinese (II)				3	3	0
大一英文(二)	Freshman English (II)				2	2	0
英文聽講(二)	Listening and Speaking (II)				1	1	0
歷史與文化(二)	History and Culture (II)				2	2	0
體育(二)	Physical Education (II)				0	2	0
全民國防教育軍事訓練(二)	All-Out Defense Education Military Training (II)				0	2	0
勞作與社會服務教育(二)	Labor and Social services Education (II)				0	0	1
藝術鑑賞	Art Appreciation				1	1	0
第二學年 Second Year							
體育(三)	Physical Education（Ⅲ）	0	2	0			
博雅通識課程	Liberal Education	2	2	0			
體育(四)	Physical Education（Ⅳ）				0	2	0
博雅通識課程	Liberal Education				2	2	0
憲法與民主	Constitution and Democracy				2	2	0
第三學年Third Year							
博雅通識課程	Liberal Education	2	2	0			
博雅通識課程	Liberal Education				2	2	0
博雅通識課程	Liberal Education				2	2	0
第四學年 Fourth Year　(無必修課程No General Required Courses)							
專業必修科目(74 學分)　Department Required Courses (74credits hours)							
第一學年 First Year							
商管知識 Business Management Knowledge							
微積分(一)	Calculus (I)	2	2	0			
會計學(一)	Accounting (I)	2	2	0			
經濟學	Economics	3	3	0			
微積分(二)	Calculus (II)				2	2	0
會計學(二)	Accounting (II)				2	2	0
企業管理	Business Management				3	3	0
資訊科技 Information Technology							
計算機概論	Introduction to Computer Science	3	3	0			
△物件導向程式設計	Object-Oriented Programming Language	3	2	2			
△●商用程式設計	Programming in Business				3	2	2
資料庫入門	Introduction to Database				1	0	2
●資訊網路	Information Networks				3	3	0
第二學年Second Year							
商管知識 Business Management Knowledge							
行銷學	Marketing	3	3	0			
生產與作業管理	Production and Operation Management	3	3	0			
統計學(一)	Statistics (I)	3	3	0			
統計學(二)	Statistics (II)				3	3	0
管理數學	Management Mathematics				3	3	0
資訊科技 Information Technology							
●資料庫管理系統	Database Management System	3	3	0			
△網頁應用程式設計	Web Application Programming	3	2	2			
系統分析與設計	System Analysis and Design				3	3	0
資料結構	Data Structures				3	3	0
商管系統 Business Management System							
資訊管理導論	Management Information System	3	3	0			
●企業資源規劃導論	Introduction to Enterprise Resource Planning				3	3	0
第三學年 Third Year							
商管知識 Business Management Knowledge							
科技創新與管理	Management of Technological Innovation				3	3	0
企業倫理	Business Ethics				1	1	0
資訊科技 Information Technology							
企業應用系統開發	Enterprise System Developments	3	3	0			
商管系統 Business Management System							
●顧客關係管理	Customer Relationship Management	3	3	0			
實務專題(一)	Project Study (I)	2	0	6			
實務專題(二)	Project Study (II)				2	0	6

第四學年Fourth Year　(無排定No Department Required Courses)							
科目	Courses	上學期 First Semester			下學期 Second Semester		
		學分 Credits	正課 Lecture	實習 Internship	學分 Credits	正課 Lecture	實習 Internship
共同選修科目 General Elective Courses							
第一學年 First Year(無排定共同選修課程 No General Elective Courses)							
第二學年 Second Year							
全民國防教育軍事訓練(三)	All-Out Defense Education Military Training (III)	1	2	0			
全民國防教育軍事訓練(四)	All-Out Defense Education Military Training (IV)				1	2	0
第三學年 Third Year							
體育選修	Physical Elective Course	1	2	0	1	2	0
全民國防教育軍事訓練(五)	All-Out Defense Education Military Training (V)	1	2	0			
第四學年 Fourth Year							
體育選修	Physical Elective Course	1	2	0	1	2	0
專業選修科目 Department Elective Courses							
第二學年 Second Year							
企業電子化應用 Enterprise electronic applications							
企業資源規劃系統★	Enterprise Resource Planning Systems				3	3	0
●網路行銷	Internet Marketing				3	3	0
企業電子化技術 Enterprise Electronic Technology							
離散數學	Discrete Mathematics	3	3	0			
影像處理與應用	Image Processing and Applications	3	3	0			
互動式網頁設計	Interactive Web Page Design	3	3	0			
多媒體設計	Multimedia Design				3	3	0
網路服務與管理	Network Services and Management				3	3	0
△行動裝置應用程式設計★	Programming for Mobile Devices				3	3	0
其它專業選修課程 Other Elective Courses							
管理會計	Managerial Accounting Applications	3	3	0			
組織行為	Organizational Behavior	3	3	0			
消費者行為	Consumer Behavior				3	3	0
商用英文	Commercial English				3	3	0
師徒實務專題(一)	Mentor-Apprentice Project study （ I ）				3	0	3
第三學年 Third Year							
企業電子化應用 Enterprise electronic applications							
●進銷存管理資訊系統★	Distribution Systems	3	3	0			
行銷與銷售管理資訊系統	Marketing and Sales Application Systems	3	3	0			
AI 巨量資料分析★	Big Data Analysis	3	3	0			
電子商務	Electronic Commerce				3	3	0
專案管理★	Project Management				3	3	0
●生產管理資訊系統★	Manufacture Systems				3	3	0
●財務會計資訊系統★	Financial Accounting Systems				3	3	0
虛擬實境與擴增實境	Augmented and Virtual Reality				3	3	0
企業電子化技術 Enterprise Electronic Technology							
演算法	Algorithms	3	3	0			
作業系統	Operating System	3	3	0			
資訊安全★	Information Security	3	3	0			
物聯網應用與實務★	IoT Application and Practice	3	3	0			
3D 造型設計與列印實務	Three Dimensional Shape Design and Printing Technology	3	3	0			
網站資訊系統開發實務	Web Information System Development	3	3	0			
雲端運算★	Cloud Computing				3	3	0
AI 人工智慧★	Artificial Intelligence				3	3	0
AI 資料探勘★	Data Mining				3	3	0
資料壓縮	Data Compression				3	3	0
物件導向系統分析與設計	Object-Oriented Systems Analysis and Design				3	3	0
其它專業選修課程 Other Elective Courses							
人力資源管理	Human Resource Management	3	3	0			
萃思創意思考與應用	TRIZ-Innovative Thinking and Application	3	3	0			
市場調查與分析	Marketing Research Methods and Analysis	3	3	0			
科技管理	Management of Technology				3	3	0
●資料分析	Data Analysis				3	3	0
商事法	Law of Commercial Affairs				3	3	0
服務創新與管理	Service Innovation and Management				3	3	0
校外實習（暑期）	Intern Course（summer session）				3	0	3
第四學年 Fourth Year							
企業電子化應用 Enterprise electronic applications							
創新 IT 應用與個案研討	Innovative IT Applications & Cases	3	3	0			
系統導入與個案分析	Systems Implement and Case Analysis	3	3	0			
企業電子化技術 Enterprise Electronic Technology							
軟體工程	Software Engineering	3	3	0			
AI 深度學習		3	3	0			

其它專業選修課程 Other Elective Courses							
供應鏈管理	Supply Chain Management	3	3	0			
管理心理學	Management Psychology	3	3	0			
資訊與法律	Information and Law	3	3	0			
進階試算表分析	Advanced Trial Balance Analysis	3	3	0			
師徒實務專題 (二)	Mentor-Apprentice Project study（ Ⅱ ）	3	0	3			
校外實習（一）	Intern Course （I）	9	0	9			
校外實習（二）	Intern Course （II）				9	0	9
專利與智慧財產權管理	Patents and Intellectual Property Management				3	3	0

備註 Note:

一、畢業至少應修滿 134 學分【必修 104 學分，選修至少 30 學分(須含本系專業選修至少 20 學分)】
Students should complete at least 134 credits before graduation, includes 104 required credits, 30 elective credits (elective credits should have at least 20 credits from department elective courses).

二、本校訂有「國立勤益科技大學學生英文及資訊能力與服務學習畢業門檻辦法」，請依規定辦理。
Please follow the rule of English, Computer Ability and Service Learning Graduation Threshold in National Chin-Yi University of Technology.

三、通識教育學院所開設之「博雅通識課程」學分數（時）為 2 學分 2 學時或 3 學分 3 學時，經 101 學年度第二學期校課程委員會會議通過。
Liberal Arts General Study courses opened by College of General Education, are divided into 2 hours course with 2 credits or 3 hours course with 3 credits, ratified by Course Committee in 2012.

四、一般入學學生與技優專班學生專業選修課程規範
（一）一般入學學生、技優專班學生（入學來源為資管類者）：
『企業電子化應用』與『企業電子化技術』二領域，任選一領域選修 4 門，另一領域選修 2 門，累計至少 6 門不同之選修課程；選修『企業電子化應用』領域者，應於該領域標示「★」課程中必選修兩門；選修『企業電子化技術』領域者，應於該領域標示「★」課程中必選修兩門。
（二）技優專班學生（入學來源為電子類者）：
『企業電子化技術』領域課程名稱後有標示「★」者，為畢業前之必選修課程。
Standards for elective subject for general admission and special achievement-based admission
(1) General admission students and special achievement-based admission students (for those whose admission source is information management):
In the two fields of "Enterprise Electronic Application" and "Enterprise Electronic Technology", choose 4 elective subjects in one field and 2 elective subjects in the other field, with a total of at least 6 different elective subjects; those who take the field of "Enterprise Electronic Application", Two compulsory subjects should be marked "★" in the field; those who take the field of "Enterprise Electronic Technology" should be marked "★" in this field. Two compulsory subjects should be taken.
(2) Students of special achievement-based admission (for those whose admission source is electronics):
"Enterprise Electronic Technology" fields, the course name marked with "★" is compulsory subjects before graduation.

五、『系統導入與個案分析』、『創新 IT 應用與個案研討』課程為『企業電子化應用』與『企業電子化技術』二領域中擇一承認。
Systems Implement and Case Analysis and Innovative IT Applications & Cases are recognized as one of the two areas of "Enterprise Electronic Application" and "Enterprise Electronic Technology".

六、證照畢業門檻：學生於入學後畢業前須取得至少 3 張專業證照（資訊應用類、資訊技能類(至少 1 張)，本系規定之相關專業證照另訂）方得畢業。
Graduation threshold of license: Students must obtain at least 3 professional licenses before graduation.(information application, information technology (at least 1), the relevant professional license regulations comply with the standards of this department)

七、『全民國防教育軍事訓練』共同選修課程至多選修一學年。
All-Out Defense Education Military Training (III) and All-Out Defense Education Military Training (IV) and All-Out Defense Education Military Training (V) choose up to one year.

八、學生於畢業前須取得 50 點非正式課程積分。參與校內競賽、企業參訪：每次取得積分 5 點；參與校外競賽、海外交流活動：每次取得積分 10 點；參與專題講座及藝文活動：每小時取得積分 1 點；參與社團（系學會、校內外社團）幹部：每學期取得積分 5 點。
Students must earn 50 points for informal courses before graduation. Participate in intra-school competitions, corporate visits: 5 points per time; participate in outside of school competitions, overseas exchange activities: 10 points per time; participate in special lectures and art activities: 1 point per hour; participation in community cadre at the school or outside the school: 5 points per semester.

九、課程名稱前有標示「●」符號者，為「職能專業課程」。
Courses with a "●" refer to a professional competence course.

十、課程名稱前有標示「△」符號者，為「程式設計課程」。
Courses with a"△" refers to an application design course.

十一、課程名稱前有標示「AI」符號者，為「人工智慧相關課程」。
Courses with an "AI" refer to an artificial intelligence related course.