朝陽科技大學資訊學院日間部資訊管理系四年制課程規劃表

Department of Information Management, Chaoyang University of Technology
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校訂必修 University Requirements	體育(體適能) Topics in Physical Education (Fitness)	2-2	生活英文 Everyday English	2-2	職場英文 Workplace English	2-2	職場英文 Workplace English	2-2	社會領域 Social care	2-2						
	生活英文 Everyday English	2-2	體育(體適能) Topics in Physical Education (Fitness)	2-2	綜合領域 Miscellaneou	2-2	人文領域 Humanities	2-2								
	勞作教育 Labor Service Education	1-1	中文鑑賞與應用 Appreciation and Application of Chinese	2-2												
			資通訊與AI應用 Information and communication and AI application	2-2												
			勞作教育 Labor Service Education	1-1												
學分 Hours		5-5		9-9		4-4		4-4		2-2		0-0		0-0		0-0
專業必修 Required Courses	計算機概論 Introduction to Computers	3-3	經濟學 Economics	3-3	統計學 Statistics	3-3	電腦網路 Computer Networks	3-3	商業英文 Business English	2-2	科技英文 Technical English	2-2	程式能力檢定 Programming Ability	1-1		

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	程式設計 Computer Programming	3-3	管理學 Management	3-3	資料結構 Data Structure	3-3	資料庫管理系統 Database Management System	3-3	軟體工程 Software Engineering	3-3	實務專題 Special Topics	3-3	實務專題與實習 Special Topics and Practice	3-3		
	微積分 Calculus	3-3	管理數學 Mathematic of Management	3-3	資訊管理導論 Introduction To Information Management	3-3	物件導向分析與設計 Object-Oriented Analysis and Design	3-3	電腦網路實作 Computer Networking Laboratory	2-2			專案管理 Project Management	3-3		
	會計學 Accounting	3-3	進階程式設計 Advanced Computer Programming	3-3					實務專題與服務學習 Special Topics and Service Learning	3-3						
			資訊倫理講座 Information Ethics Lecture	1-1												
學分 Hours		12-12		13-13		9-9		9-9		10-10		5-5		7-7		0-0
專業選修 Elective Courses	多媒體概論 Introduction to Multimedia	3-3	影像處理實務 Practice of Image Processing	3-3	創造力 Creativity	2-2	虛擬實境 Virtual Reality System	3-3	作業系統 Operating System	3-3	互動多媒體 Interactive Media	3-3	產業實習 Industry Internship	3-3	產業實習 Industry Internship	3-3
	資管人的規劃 Career Planning	1-1	影像處理實務演練 Exercise of Image Processing	1-1			電腦動畫 Computer Animation	3-3	資訊隱藏概論 Introduction to Information Hiding	3-3	網路工程實務 Applications of Computer Networks Engineering	3-3	企業實習 Enterprise Internship	6-6	資訊管理實習 Information Management Practice	9-9

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	Linux系統 Linux System	3-3			作業研究概論 Introduction to Operations Research	3-3	遊戲程式設計 Game Programming	3-3	雲端運算 Cloud Computing	3-3	多媒體應用系統 Multimedia Application Systems	3-3	資訊管理講座 Information Management Lecture	3-3
					資訊安全概論 Introduction to Information Security	3-3	資料庫程式設計 Database Programming	3-3	自由軟體與資訊安全 Free Software and Information Security	3-3	資料倉儲 Data Warehouse	3-3	創意實務 Creative Practice	3-3
					資料庫管理系統實作 Implementation of Database Management System	1-1	遊戲程式設計演練 Game Programming Practice	1-1	互動多媒體演練 Interactive Media Practice	1-1	全面品質管理 Total Quality Management	3-3	資料視覺化軟體應用 Application of Data Visualization Software	3-3
					電腦動畫演練 Computer Animation Practice	1-1					企業智能化營運實務與應用 Practice and application of enterprise artificial intelligence	3-3		
					虛擬實境演練 Virtual Reality Practice	1-1					人工智慧應用 Artificial Intelligence Application	3-3		
											作品集設計 Portfolio	3-3		

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系統開發與應用類課程(至少選修3門)System development and application courses (at least 3 courses)																
			網頁設計 Web Design	3-3	Web程式設計 Web Programming	3-3	JavaScript程式設計 JavaScript Programming	3-3	物流與供應鏈系統 Logistics and Supply Chain Systems	3-3	商業智慧與大數據分析 Business Intelligence & Big Data Analysis	3-3	顧客關係管理系統 Customer Relationship Management Systems	3-3		
					APP程式設計 APP Programming	3-3			企業資源規劃系統 Enterprise Resources Planning Systems	3-3	中小企業整合資訊系統 Introduction to Small and Medium Enterprise Integration Information Systems	3-3				
											機器學習應用 Applications of Machine Learning	3-3				
											資料庫結構化查詢語言 Structured Query Language for Rational Database Management System	3-3				

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											財務資訊系統 Financial Information Systems	3-3				
											網路與社群行銷 Internet and Social Media Marketing	3-3				
											行動商務與系統開發 Mobile commerce systems	3-3				
基礎管理類課程(至少選修2門)Basic management courses (at least 2 courses)																
					行銷管理 Marketing Management	3-3	財務管理 Financial Management	3-3							人力資源管理 Human Resource Management	3-3
					作業管理 Operations Management	3-3	電子商務 Electronic Commerce	3-3								
					管理會計 Management accounting	3-3	應用統計學 Applied Statistics	3-3								
技優生必選修-商業多媒體技優領航專班Commercial Multimedia Program for special achievement-based-admission students																
程式設計 # Computer Programming	3-3															

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學分 Hours		10–10		7–7		17–17		27–27		19–19		34–34		30–30		24–24

校訂必修 University Requirements	基礎通識及核心通識 Basic General Education Courses And Core General Education Courses	9科目24學分 9 Courses 24 Credits
	通識自由選修 General Education Free Elective Credits	4學分，修課規範請詳閱全校性規定(四) 4 credits, [(suggested courses are listed under CYUT regulations for students in four-year day-time program(4)]

專業必修 Required Courses	24科目65學分 24 Courses 65Credits
專業選修 Elective Courses	最少應選修23學分 Minimum elective 23 Credits
可承認之非本系學分數上限 Recognition limit of credits provided by other departments	12 學分 12 Credits
最低畢業學分數 Total Requirement	128 學分 128 Credits

一、全校性規定：

(一)修習通過語言中心開設之「菁英英文」校訂選修課程，可以分別替代通識英文必修課程，詳細課程內容及替代方式請參閱語言中心網站及相關規定。

(二)日間部四技生修習通識教育中心開設之創造力課程，通過者皆可認列為「專業選修學分」。

(三)修習通識教育中心開設之基礎通識(必修18學分)及核心通識(至少6學分，分為人文領域、社會領域、自然科學領域、綜合領域等四領域)課程者，達24學分之後，有超修者，得認列為通識之自由選修學分。

(四)通識之「自由選修」至多為4學分，含未認列之院通識課程、跨院系學程、微學程、微型課程、校訂選修及第三條所記超修「核心通識」課程。

(五)校外實習學分數四年制總學分數以18學分為原則。

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二、全院性規定-商業多媒體技優領航專班：

(一)學院開設之專業選修課程，可認列為本系之專業選修課程。

(二)課程有標註「＃」者為學院開設之技優生必選修課程，技優生修畢後可替代原屬系專業必修課程或認列為系之專業選修學分。

三、本系之規定:

(一)「資管人的規劃」、「資料庫管理系統實作」為必選修課程。

(二)「實務專題與服務學習」、「實務專題」與「實務專題與實習」為不擋修之學期課，並得互認列為補修學分。

(三)資管組「基礎管理類」課程至少需選修2門通過，「系統開發與應用類」課程至少需選修3門通過。

(四)數位多媒體組「多媒體應用類」課程至少需選修4門通過。

(五)「技能檢定/程式能力檢定」必修課程，應通過本系辦理之技術能力檢定。

(六)「產業實習」選修(3時數-3學分)課程，詳如本系校外實習實施辦法。

(七)「資訊管理實習」選修(9時數-9學分)為日間部四年級學生修習全學期課程，詳如本系校外實習實施辦法。

(八)本系修習資訊學院其他系所開設之課程，得列為專業選修學分。

(九)課程有標註「＃」者為學院開設之技優生必選修課程，其中「程式設計」可替代為本系「程式設計」課程。

四、可承認之非本系學分包含外系學分、課程規劃中未有之本系課程、超修的本系專業選修學分或校訂必修及選修學分。

Regulations regarding course plan:

(1)Students who pass 'Elite English' offered by the Language Center are only eligible to waive credits for the required English courses offered by the General Education Center.For details, please visit the Language Center website.

(2)For four-year day division students, General Education Center offers Innovation courses which can be certified as 'professional elective credits'.

(3)The requirement of General Education consists of Basic General Education (18 Credits required) and Core General Education (at least 6 Credits selected from the fields of Humanities, Society, Nature and Miscellaneous interest). Extra credits taken from the General Education Center can be certified as 'General Education free selective credits'.

(4)Four credits are required as the General Education free elective credits. These credits can be taken from College General Education courses, interdisciplinary study programs, miniature study programs , miniature courses or university-approved elective courses. The credits granted as free elective credits can not be used to fulfill other requirements. Extra credits taken from Core General Education courses mentioned in (3) can also be granted as the G.E. free elective credits.

(5)The total number of credits for off-campus internship courses in a four-year program should not exceed 18 credits.

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2.College-level regulations - Commercial Multimedia Program for special achievement-based-admission students of Regulations regarding course plan:

(1)The professional elective courses offered by the college can be transfered as the professional elective courses of the department.

(2)Courses marked with "#" are required elective for special achievement-based-admission students of the Information & Electronic Engineering Program or Commercial Multimedia Program. Students can transfer credits to the professional required or elective courses of their department.

3. Department regulations:

 (1) "Career Planning", "Implementation of Database Management System" are required courses.

 (2) "Special Topics and Service Learning", "Special Topics" and "Special Topics and Practice" are semester courses that are not blocked and can be recognized as supplementary credits.

 (3) Information Management Group: "System Development and Application" courses require at least 3 elective courses, and "Basic Management" courses require at least 2 elective courses to pass.

 (4) Digital Multimedia Group: "Multimedia Application" courses require at least 4 electives to pass.

 (5) The required "Technique Verification/Programming Ability" course should pass the technical capability verification by the Information Management Department.

 (6) The "Industry Internship" elective (3 hours–3 credits) course, such as the implementation method of the department's Industry internship.

 (7) The "Information Management Practice" elective (9 hours–9 credits) course is a full-semester course for fourth-grade students in the daytime department. Such as the implementation method of the department's Industry internship.

 (8) Courses offered by other departments of the College of Informatics can be considered professional elective credits.

 (9) Courses marked with "#" are the required elective courses for special achievement-based-admission students offered by the college, among which "Computer Programming" can be substituted for the department's "Computer Programming" course.

4. The department will limit the recognition of credits provided by other departments, including undisclosed courses in the curriculum planning stage, over-required professional elective credits, or university-required mandatory and elective credits.