國立勤益科技大學115學年度進修部二年制工業工程與管理系學分計畫表

National Chin-Yi University of Technology Continuing Education Division
Curriculum for 2026 Two-Year Bachelor Program of Department of Industrial Engineering and Management

科目	Courses	上學期First Semester			下學期Second Semester		
		學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship
共同必修科目(10學分)General Required Courses(10credits hours)							
第一學年First Year							
中國文學	Chinese Literature	2	2	0			
藝術與哲學	Art and Philosophy	2	2	0			
實用英文	Practical English				2	2	0
第二學年Second Year							
憲法與民主	Constitution and Democracy	2	2	0			
歷史與文化	History and Culture				2	2	0

科目	Courses	上學期First Semester			下學期Second Semester		
		學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship
校訂必修科目(24學分)Department Required Courses(24credits hours)							
第一學年First Year							
成本會計	Cost Accounting	3	3	0			
統計學	Statistics	3	3	0			
作業研究	Operations Research				3	3	0
工程經濟	Engineering Economics				3	3	0
第二學年Second Year							
實務專題（一）	Practical Project Study (I)	3	3	0			
品質管理	Quality Management	3	3	0			
實務專題（二）	Practical Project Study (II)				3	3	0
生產管理	Production Management				3	3	0

科目	Courses	上學期First Semester			下學期Second Semester		
		學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship
專業選修科目Department Electives Courses							
第一學年First Year							
環境關懷與志工服務	The Environment Concern Serves with Volunteer Worker	3	3	0			
△計算機程式	Computer Program	3	3	0			
工業安全	Industrial Safety	3	3	0			
人因工程	Ergonomics	3	3	0			
自動化生產系統	Automatic Manufacturing System	3	3	0			
物流系統管理	Logistics System Management	3	3	0			
法學概論與智慧財產權	Introduction to the Study of Law And Special Issues on Intelligence Proprietary				2	2	0
商用英文	Business English				3	3	0
高等統計	Advanced Statistics				3	3	0
組織行為與管理	Organizational Behavior and Management				3	3	0
統計方法與應用	Statistical Methods and Applications				3	3	0
工作生理學	Work Physiology				3	3	0
製造工程	Manufacturing Engineering				3	3	0
製造策略管理	Manufacturing Strategy Management				3	3	0
電腦輔助設計/製造	CAD/CAM				3	3	0
系統模擬	System Simulation				3	3	0
自動化資料蒐集系統	Automatic Data Collection Systems				3	3	0
系統模擬	System Simulation				3	3	0
網際網路與電子商務	Internet and Electronic Commerce				3	3	0
國際物流與貿易	International Trade and Logistics				3	3	0
倉儲與物料搬運	Warehousing and Material-Handling				3	3	0
第二學年Second Year							
體適能與健康管理	Physical Fitness and Health Management	2	2	0			
服務業管理	Service Management	3	3	0			
應用英文（一）	Applied English (I)	3	3	0			
工業安全與衛生法規	Ordinance on Industrial Safety and Health	3	3	0			
工業心理學	Industrial Psychology	3	3	0			
實驗設計	Design of Experiment	3	3	0			
專案管理	Project Management	3	3	0			
製造執行系統	Manufacturing Execution System	3	3	0			
精實管理	Lean Management	3	3	0			
EPC global RFID 應用實務技術與認證	EPC global RFID Applications Practical Technology and Certification	3	3	0			
資訊管理導論	Introduction to Information Management	3	3	0			

電腦繪圖應用	Applications of Computer Drawing	3	3	0			
運輸管理	Transportation Management	3	3	0			
通識課程	Liberal Education Curriculums				2	2	0
商務溝通	Business Communication				3	3	0
應用英文（二）	Applied English (II)				3	3	0
全面品質管理	Total Quality Management				3	3	0
行銷管理	Marketing Management				3	3	0
休閒運動	Leisure and Sports				3	3	0
工業安全衛生管理	Industrial Safety and Health Management				3	3	0
人力資源管理	Human Resource Management				3	3	0
國際品保制度實務	International Quality Assurance System Practice				3	3	0
人機系統	Human Machine System				3	3	0
品質工程	Quality Engineering				3	3	0
電腦整合製造系統	CIM System				3	3	0
產業診斷與改善	Industrial Diagnosis and Improvement				3	3	0
低溫物流技術	Cold Chain Logistics Technology				3	3	0
企業資源規劃系統	Enterprise Resource Planning Systems				3	3	0
△圖形化監控資訊系統	Graphical Programming Language				3	3	0
人工智慧與應用	Artificial Intelligence and Its Applications				3	3	0
智慧供應鏈管理	Smart Supply Chain Management				3	3	0

學分/時數統計 Credit/Hour Total	第一學年 First Year				第二學年 Second Year			
	上學期 First Semester		下學期 Second Semester		上學期 First Semester		下學期 Second Semester	
	學分 Credit	學時 Hour	學分 Credit	學時 Hour	學分 Credit	學時 Hour	學分 Credit	學時 Hour
必修科目學分/時數 Required Courses Credit / Hour	10	10	8	8	8	8	8	8
最低選修科目學分/時數 Minimum Electives Courses Credit / Hour	9	9	9	9	9	9	11	11
總學分數/時數累計 Credits / Hours Total	19	19	17	17	17	17	19	19

備註Note:

一、 畢業至少應修滿 72 學分【必修 34 學分，選修至少 38 學分(其中至少需含本系專業選修 26 學分)】。
Students should complete at least 72 credits before graduation, including 34 required credits, 38 elective credits (elective credits should have at least 26 credits from department elective courses).

二、 選修通識課程包含性別平等、智慧財產權、海洋教育等相關課程；選修通識課程由通識學院協助開設。
Liberal Education Courses include gender equality courses、intellectual property courses、marine education courses, and these courses provided by College of General Education.

三、 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.

四、 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.

五、 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.

六、 為因應法規變更、評鑑建議或政府計畫規定等外在因素，本系保有調整學分計畫之權利。若有修訂，將於學期開始前公告，並明確說明修訂內容、影響範圍及相關配套措施，以保障學生權益。
The department reserves the right to adjust the curriculum in response to external factors such as changes in regulations, suggestions of evaluation and accreditation, or government program regulations. If there are any revisions, will be announced before the start of the semester, and the revised content, scope of impact, and related supporting measures will be clearly stated to protect the rights and interests of students.