

國立高雄應用科技大學 Industrial Engineering and Management Undergraduate curricula (2Year)

Year		Year 1		Year 2	
Semester		Semester 1	Semester 2	Semester 3	Semester 4
(A)	Compulsory courses (8/16)	Historical jurisprudence group 2/2 Physical Education(1 st) 0/2 Service Learning(1 st) 0/2	Advanced practical English 2/2 Applied Writing & practice 2/2 Physical Education(2 nd) 0/2 Service Learning(2 nd) 0/2	Genera course 2/2	
(B)	Compulsory courses (18/21)	Management 3/3 Operations research 3/3 Automatic production systems 3/3	Production management 3/4 Practice Project(1 st) 1/2	Quality management 3/3 Practice Project(2 nd) 1/2	Topics seminar 1/1
(C)	elective course 46 credit	Accounting 3/3 Economics 3/3 Statistics 3/3 Web Pages Design 3/3 Object-oriented programming 3/3 Managerial accounting 3/3 Creative Problem Solving 3/3 Facilities planning 3/3	Microeconomic 3/3 Application of information software 3/3 Theory of Database System 3/3 Managerial economics 3/3 Project management 3/3 Management in service industries 3/3 Manufacturing processes 3/3 Industries safety and health 3/3 Work study methods, standard and design 3/3 Elementary liner algebra 3/3 Off-Campus Practicum 2/2	Engineering economics 3/3 Information management 3/3 Systems analysis 3/3 Cost accounting 3/3 Human resource management 3/3 Financial management 3/3 Strategic management 3/3 Theory of gray system 3/3 English for science and technology 3/3	Managerial psychology 3/3 decision support system 3/3 Managerial information system 3/3 Industry analysis & improvement 3/3 Decision Marking Under Multi-Objectives 3/3 Survey sampling 3/3 Object-Oriented System Analysis and Design 3/3 Applications for System Simulation 3/3
	Quality Engineering		Statistical analysis 3/3	Design of experiment 3/3 Quality Management Systems 3/3	Environmental Management System 3/3
	Product Engineering	Computer aided manufacture 3/3	Ergonomics / human factors 3/3	Introduction to Robotics 3/3 Computer integrated manufacturing 3/3 Management of technology 3/3	
	Logistics Engineering	Logistic management 3/3	Commercial automation 3/3	Electronic commerce 3/3	The Management of Marketing Channels 3/3
	Production Engineering		Flexible Manufacturing Systems 3/3	Manufacturing information Systems 3/3 Analysis of manufacturing systems 3/3	Design of Production Systems 3/3

1. The minimum graduation credits are 72 credits, including (A) the common compulsory courses 8 credits (B) the professional compulsory courses 18 credits (C) the professional elective courses 46 credits. (2 year)