

National Kaohsiung University of Applied Sciences
 Division of Continuing and Extension Education
 Industrial Engineering and Management Department, College of Engineering
 Curriculum of Two-Year Program

Passed at Department Curriculum Committee Meeting on 18 Mar, 2014

Passed at Department Affairs Meeting on 18 Mar, 2014

Passed at College Curriculum Committee Meeting on 4 Apr, 2014

Passed at University Curriculum Committee Meeting on ○○ ○○, ○○

Passed at Academic Affairs Meeting on ○○ ○○, ○○

Year		3 rd academic year		4 th academic year	
semester		Semester 1	Semester 2	Semester 1	Semester 2
University required common courses (8/8)		Advanced practical English 2/2	Applied Writing & practice 2/2	Historical jurisprudence group 2/2 Genera course 2/2	
Total		2/2	2/2	4/4	0/0
Department required professional courses (17/17)		Calculus3/3 Statistics(1st) 3/3 Economics 3/3 Production management 3/3 Human factors3/3 Introduction to technology management3/3	Practice Project(1st) 1/2 Statistics(2nd) 3/3 Decision making analysis under multi-objectives3/3 Production scheduling3/3 Introduction to enterprise resource planning3/3 Programming and application3/3 Introduction to service science and innovation3/3	Practice Project(2nd) 1/2 Quality management 3/3	
Total		18/18	19/20	4/5	0/0
Department elective professional courses 23 credit	Human Factors and production manufacturing program	Engineering graphics3/3 Work study3/3	Industrial automation3/3 Facilities planning 3/3	Physiology foundations in H. F. engineering3/3 Industrial safety and hygiene3/3	Project management 3/3 Lean production and management3/3 Factory management practice3/3
	Statistic quality management and Quantitative decision making program		Operations research 3/3	Total quality management 3/3 Introduction to taguchi-method3/3 Statistical and quality managerial package3/3 Regression Analysis3/3	Performance management3/3 Sampling survey3/3 Experimental design3/3 Reliability analysis 3/3

	Industrial management and electronic program	Managerial mathematics3/3 Database system 3/3 Accounting 3/3	Materials management3/3 Logistics management3/3	E-commerce3/3 Supply chain management 3/3 Industrial operation and improvement3/3 Business policy-making analysis3/3	
	Service innovation and technology management program		Introduction to innovative product R&D management3/3	Introduction to technology and innovation management3/3 Introduction to technology transfer and evaluation management3/3 Introduction to industrial analysis and innovation3/3 Introduction to innovation and intellectual property management3/3	Innovation and entrepreneur practice3/3 Patent analysis and intellectual property management3/3 Practice and application of innovation management3/3 Introduction to new product innovation strategy3/3

Remarks:

1. This curriculum is applied to students admitted in Academic Year 104
2. Credit hours of each course (or total) are marked with "credit/hour."
3. The minimal credit number for graduation is 72: (1) 8 credits of University required common courses (2) 0 credits of College required common courses (3) 41 credits of department required professional courses (4) at least 23 credits of department elective professional courses (A maximum of 6 credits of from elective professional courses offered by other departments will be recognized.)
4. Courses of inter-disciplinary programs offered by other departments may be regarded as elective professional courses of the department.
5. Courses in the category of history and law may be exempted with General Education Core IV or V of four-year daytime programs or with courses of the history category or law category offered in Division of Continuing and Extension Education.
6. Elective courses: the courses listed in the table are planned courses, which will be offered based on practical needs.
7. For other instruction on course selection, students must follow "Division of Continuing and Extension Education Course Selection Guidelines."
8. The students who did not graduate from IEM must take "Introduction to industrial engineering and management" and pass before graduation.
9. The students study in any one of the four Program:to attend at least every 18 credits required credits and passing grades awarded Certificate Program.
Track of Human Factors and production manufacturing program --Professional must take: Human factor, Production scheduling and 4 Elective Program courses.
Track of Statistic quality management and Quantitative decision making program --Professional must take: Quality management, Decision making analysis under multi-objectives, and 4 Elective Program courses.
Track of Industrial management and electronic program --Professional must take: Introduction to enterprise resource planning, Programming and application, and 4 Elective Program courses.
Track of Service innovation and technology management program --Professional must take: Introduction to technology management, Introduction to service science and innovation, and 4 Elective Program courses.