

National Kaohsiung University of Applied Sciences  
Industrial Engineering and Management Department, College of Engineering  
Curriculum of Master's Program in Academic Year 104

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		1st academic year		2nd academic year	
Semester		Semester 1	Semester 2	Semester 1	Semester 2
Required courses		Project discussion (1st) 1/2 English scientific reports and writing. 3/3 Statistical method and application 3/3	Project discussion (2nd) 1/2 Research method 3/3	Project discussion (3rd) 1/2	Project discussion (4th) 1/2 Master thesis 6/6
Elective courses	Human Factors and production manufacturing program	Testing and evaluation of human factors 3/3 Manufacturing strategy 3/3	Analysis and design of human factors 3/3 Advanced production scheduling 3/3	Cognitive science theory and application 3/3 Project of lean production and management 3/3	
	Statistic quality management and Quantitative decision making program	Statistical process control 3/3 Decision sciences 3/3	Quality engineering.3/3 Multi-objective programming 3/3	Project of quality management 3/3 Fuzzy theory and application 3/3	
	Industrial management and electronic program	Industrial analysis and innovation 3/3 Internet marketing 3/3	The analysis of Hi-Tech industry 3/3 Enterprise resource planning 3/3	Industrial risk evaluation and management 3/3 Supply chain and E-business 3/3	
	Service innovation and technology management program	Service science and innovation 3/3 Technology transfer and evaluation 3/3	Technology and innovation management 3/3 Hi-Tech marketing management 3/3	Innovative product R&D management 3/3 Emerging technology industry 3/3	

**I. 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. Elective courses: the courses listed in the table are planned courses, which will be offered based on practical needs.

**II. Graduation requirements:**

1. The minimal credit number for graduation is 36 : (1) 19 credits of required courses( including thesis writing 6 credits and 4 credits of seminars on special topics, based on the semester the thesis is presented )、(2) 17 credits of elective courses (including 6 credits courses taken at other departments or institutes as is specified by the department/institute)

**III. Other requirements set by the department:**

1. The students who did not graduate from IEM must take "Introduction to industrial engineering and management0/2" and "Statistics 0/3" and pass the classes before graduation.
2. For other relevant regulations, please refer to the guidelines on part-time studies for master's degree established by the department.