

Fall Semester of 2020

Curriculum of 2+i Industry-Academia Collaboration Program, Department of Industrial Engineering and Management, Cheng Shiu University

109.09.16 系務會議通過/109.09.22 工學院課程委員會議通過/109.09.28 教務會議通過
110.11.16 系務會議通過/110.12.14 工學院課程委員會議通過/111.01.03 教務會議通過

Minimum credits required for graduation: 72 credits

Required courses: 48 credits

(common courses: 15 credits; specialized required courses: 24 credits; internship required courses: 9 credits)

Elective courses: 51 credits

(specialized elective courses: 33 credits; internship elective courses: 18 credits)

Course Type	First Year						Course Type	Second Year						
	Course Title / Course Code	First Semester		Second Semester				Course Title / Course Code	First Semester		Second Semester			
		Credits	Hours	Credits	Hours	Credits			Hours	Credits	Hours			
Common Courses	Required Chinese Teaching (I) /K06015	5	10			Required	Advance Chinese Language Teaching /K06019		2	4				
	Required English for Science and Tech (I) /K06016	2	2			Required	Technical Presentation and Writing /K06020		2	2				
	Required Chinese Teaching (II) /K06017			2	4									
	Required English for Science and Tech (II) /K06018			2	2									
Specialized Courses	Required *Statistical Data Analysis /K06414	3	3			Required	Human-Factors Engineering /K06420		3	3				
	Required Production and Operations Management /K06415	3	3			Required	Plant Layout and Material Handling /K06421		3	3				
	Required Precision Measurement Practice /K06416	3	3			Elective	CAD & CAM /K06871		3	3				
	Required Manufacturing Processes /K06417	3	3			Elective	Reverse Engineering and Practice /K06872		3	3				
	Required Quality Management Practice /K06418			3	3	Elective	RFID Application and Practice /K06873		3	3				
	Required Work Study /K06419			3	3	Elective	Automated Production Practice /K06874		3	3				
	Elective CNC Practice /K06865			3	3	Elective	Engineering Material Testing and Practice /K06875		3	3				
	Elective Enterprise Management and Analysis /K06866			3	3	Required	Industrial Internship (I) /K06422				3	10		
	Elective Material Management /K06867			3	3	Elective	Off-Campus Internship (I) /K06877				3	10		
	Elective Analysis of Engineering Economics /K06868			3	3	Elective	Industrial Practice /K06878				3	3		
Specialized Courses	Elective *Computer Aided Drawing (CAD) /K06869			3	3									
	Elective Intelligent Enterprise and Supply Chain Management /K06870			3	3									
Total (6 Elective courses of 3)		19	24	28	30	Total (5 Elective courses of 3)				25	27	9	23	
Course Type	First Year						Course Type	Second Year						
	Course Title / Course Code	First Semester		Second Semester				Course Title / Course Code	First Semester		Second Semester			
		Credits	Hours	Credits	Hours	Credits			Hours	Credits	Hours			
Specialized Courses	Required Industrial Internship (II) /K06423	3	10											
	Required Community Service and Learning(1) /K06027	0	1											
	Elective Off-Campus Internship (II) /K06879	3	10											
	Elective Thematic Projects (I) /K06880	3	3											
	Required Industrial Internship (III) /K06424			3	10									
	Required Community Service and Learning(2) /K06028			0	1									
	Elective Off-Campus Internship (III) /K06881			3	10									
	Elective Thematic Projects (II) /K06882			3	3									
Total (2 Elective courses of 1 2 Elective courses of 1)		9	24	9	24	Total								