

**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	
	Elective	*Computer Aided Drawing (CAD) /K06869			3	3							
	Elective	Intelligent Enterprise and Supply Chain Management /K06870			3	3							
<b>Total (6 Elective courses of 3)</b>			<b>19</b>	<b>24</b>	<b>28</b>	<b>30</b>	<b>Total (5 Elective courses of 3)</b>			<b>25</b>	<b>27</b>	<b>9</b>	<b>23</b>
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								
<b>Total (2 Elective courses of 1 2 Elective courses of 1)</b>			<b>9</b>	<b>24</b>	<b>9</b>	<b>24</b>	<b>Total</b>						