

Academic credits for Information & communication Engineering cooperative Program of National Chin-Yi University of Technology

	1 st academic year						2 nd academic year						3 rd academic year						4 th academic year												
	Subjects			First semester		Second semester	Subjects			First semester		Second semester	Subjects			First semester		Second semester	Subjects			First semester		Second semester							
				Credits	Courses	Internships				Credits	Courses	Internships				Credits	Courses	Internships				Credits	Courses	Internships	Credits	Courses	Internships	Credits	Courses	Internships	
Compulsory	C o m m o n s u b j e c t s (3 2 c r e d i t s i n t o t a l)																														
	English Listen and speak (I)	3	3	0				English conversation (I)	2	2	0																				
	English Listen and speak (II)					3	3	0	English conversation (II)				2	2	0																
	Chinese Listening and Reading (I)	3	3	0				Chinese theme reading and writing (I)	2	2	0																				
	Chinese Listening and Reading (II)					3	3	0	Chinese theme reading and writing (II)				2	2	0																
	Chinese Culture and Life (Humanities and Art)	2	2	0				Human rights and the rule of law	2	2	0																				
	Music Appreciation	1	1	0				Art Appreciation	1	1	0																				
	Introduction to Industrial Development	2	2	0																											
	Introduction to Science and Technology					2	2	0																							
	Physical Education(I)	1	2	0																											
	Physical Education(II)					1	2	0																							
	S u b t o t a l	12	13	0	9	10	0	小 计	7	7	0	4	4	0																	
	B a s i c S u b j e c t s (7 0 c r e d i t s i n t o t a l)																														
	C a l c u l u s I	3	3	0				Electric Circuit Analysis(I)	3	3	0				Microprocessor applications and practice	3	2	2				The Industry Practises(V)	6	0	6						
C a l c u l u s II					3	3	0	The Experiment of Electronics Circuit (I)	3	2	2			Project study (I)	2	0	6				The Industry Practises(VI)				6	0	6				
Computer programming and practices (I)	3	2	2				The Industry Practises (I)	3	1	2				The Industry Practises (III)	6	0	6														
Computer programming and practices (II)					3	2	2	Electric Circuit Analysis(II)				3	3	0	The Industry Practises (IV)				6	0	6										
Logical design and practice					3	2	2	The Experiment of Electronics Circuit (II)				3	2	2	Signals and Systems				3	3	0										
							The Industry Practises (II)				6	0	6	Project study (II)				2	0	6											
S u b t o t a l	6	5	2	9	7	4	S u b t o t a l	9	6	4	12	5	8	S u b t o t a l	11	2	14	11	3	12	S u b t o t a l	6	0	6	6	0	6				
Credits/Hours of Compulsory Subjects		18	18	2	18	17	4			16	13	4	16	9	8			11	2	14	11	3	12			6	0	6	6	0	6
Professional elective courses							PLC Applications & Experiments	3	1	2				Introduction to Fuel Cells	3	3	0				Electric Machinery Practice	3	1	2							
							Microprocessor	3	3	0				Wireless Sensors Networks	3	3	0				Industrial Distribution Design Practice	3	1	2							
							Introduction to Computer Network	3	3	0				Fundamentals of Sensors	3	3	0				Implementation of Computer Vision	3	1	2							
							Mentor-Apprentice Internship Course for Project(I)	3	0	3				Linux Fundamentals, Applications and Administration	3	3	0				System Analysis & Design	3	3	0							
							Energy Storage technologies				3	3	0	Intelligent Robotics	3	3	0				Application of Big Data	3	3	0							
							Industrial Electronics/Experiments				3	1	2	Digital Communication	3	3	0				Embedded system design and experiment	3	1	2							
							Microcontroller Application				3	3	0	Mechatronic & Experiments				3	1	2	Lens elements and design	3	3	0							
							A l g o r i t h m s				3	3	0	Graphical computer program and experiment				3	1	2	Fundamental of Innovative Electronic Design	3	3	0							
							C# Programming Language				3	3	0	Applied Engineering Optics				3	3	0	Industrial field communication technology	3	3	0							
							Extracurricular Intern I(Summer vacation)				3	0	3	Introduction To RF Circuit Design				3	3	0	Mentor-Apprentice Internship Course for Project(II)	3	0	3							
							Mentor-Apprentice Internship Course for Project(II)				3	0	3	TRIZ Systematic Innovation Practice				3	1	2	Electric Machinery Control and Experiment				3	1	2				
														Practical Applications of Cloud Computing				3	1	2	Internet of Things applications and internships				3	1	2				
																					Experiments of Power Electronics				3	1	2				
																					Android Application Development and Practice				3	1	2				
																					Type of Service System Applications for the Health Care of Elderly Group				3	3	0				
																					F u z z y C o n t r o l				3	3	0				
																					An Introduction to Software Engineering				3	3	0				
																					Introduction to Smart-Living System Design				3	3	0				
																					Database Management System and Laboratory				3	1	2				
																				Other Courses	2	2	0	2	2	0					
																				Mentor-Apprentice Internship Course for Project(IV)				3	0	3					
General Elective Courses	Chinese Workshop	2	2	0																											
	Chinese for Everyday Scenarios					2	2	0																							
Management elective courses	Business Softwares Application	3	3	0										Services marketing and management	3	3	0														
	Accounting	3	3	0										Human Resource Management				3	3	0											
	Management					3	3	0																							
	Statistics					3	3	0																							
	Customer Relationship Management					3	3	0																							
Business courses																															

Remarks	<p>1. Graduation should be at least 131 credits 【Required courses 102 credits (Include Common subjects 32credits 、Basic subjects 70credits) 、 Elective Courses at least 29 credits】 .</p> <p>2. Through in equivalent qualifications for university entrance examination, graduation should be at least 143 credits 【Required courses 102 credits (Include Common subjects 32credits 、 Basic subjects 70credits) 、 Elective Courses at least 41credits】 .</p> <p>3. For pass the course of Internship, according to the 【Special Points for Students' Outside Practice Course】 and 【Students outside the school practice points】 .</p> <p>4. Based on Taiwan Education Technology (Fourth) Letter No. 1070062979 from Ministry of Education on June 22nd, 2018 and Taiwan Education Technology (Fourth) Letter No. 1070108718 from Ministry of Education on July 11th, 2018, courses arrangement: the courses should be scheduled daily from Monday to Friday and may be scheduled during summer vacations.</p> <p>5. The credit hours of The Industry Practice internship course are 6/6(credit/hour). The number of off-campus internship hours is in accordance with the regulations of the MOE(Ministry of Education) is 24/week, 432 hours of off-campus internship in one semester.</p>
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