Oriental Institute of Technology. Department of Electronic Engineering.
【Course Flowchart】

Academic Year 2017

	Year 1: Fall	Year 1: Spring	Year 2: Fall	Year 2: Spring	Year 3: Fall	Year 3: Spring	Year 4: Fall
General Course 30 / 40	Chinese（I）(2/2)	Chinese（II）(2/2)	English（III）(2/2)				
	English（I）(2/2)	English（II）(2/2)	CC-CIVIC LITERACY(2/2)	CC-History and Culture (2/2)	LC-Science Technology and Society(2/2)	LC-Literature and Arts(2/2)	
	CC-Knowledge Innovation(2/2)		Information Capability Development(2/2)	CC-Classics reading(2/2)	LC-World Civilization(2/2)	LC-Career Development(2/2)	
						LC-Philosophy and Morality(2/2)	
	Physical Education（I）(0/2)	Physical Education（II）(0/2)	Physical Education（III）(0/2)	Physical Education（IV）(0/2)			
	Military Training(0/2)						
Professional Compulsory Course 63 / 85	Digital Logic Design(3/3)	Digital System Design(3/3)	Electrical Circuits（I）(3/3)	Electrical Circuits（II）(3/3)	Operation System(3/3)	Computer Networks(3/3)	
	Digital Logic Design Laboratory(3/3)	Electronics（I）(1/3)	Electronics（II）(1/3)	Electronics（III）(1/3)	Lab on Operating System(1/3)	Subject Study(1/3)	Subject Study(1/3)
	Computer Programming(1/3)	Electronic Laboratory(1/3)	Electronic Laboratory(1/3)	Introduction to Integrated Circuit Design(3/3)	Computer Architecture(3/3)		
		Microprocessors(3/3)	Data Structure(3/3)				
		Microprocessors Experiment(3/3)					
Mathematics & Physics	Physics(2/2)	Physics(2/2)					
	Calculus(3/3)	Calculus(3/3)	Engineering Mathematics (3/3)	Engineering Mathematics (3/3)			

Professional Elective Course

	Year 1: Fall	Year 1: Spring	Year 2: Fall	Year 2: Spring	Year 3: Fall	Year 3: Spring	Year 4: Fall
Practical Certification Special	PCB Design Capability Certification(3/3)	PCB Design Capability Certification(3/3)	Digital Electronic B-Class Certification(3/3)	Microcontroller B-Class Certification(3/3)			Multimedia Design and International Certification(3/3)
	Digital Electronic B-Class Certification(3/3)	Microcontroller B-Class Certification(3/3)					
Intelligent Electronics System Design Special			SOPC Embedded Programming(3/3)	ARM Microprocessors(3/3)	Embedded Operating System Design(3/3)	Introduction to Microsensor and Sensing Circuit Design(3/3)	Introduction to Big Data(3/3)
			Embedded System Design(3/3)	Verilog Hardware Description Language for Digital System(3/3)	SOPC Embedded System Design(3/3)	Introduction to Design and Application of Intelligent Electronics(3/3)	
			Introduction to Internet of Things(3/3)	Integrated Circuits Layout(3/3)	High-Speed PCB(3/3)		
Biomedical Application Special		Micro-Controller C-Class and B-Class Certification(3/3)	Mobile Device Programming(3/3)	ARM Microprocessors(3/3)	Design of Bio-Medical Power Management Integrated Circuits(3/3)	Application Projects for Elderly Health Care(3/3)	Embedded Network Applications(3/3)
			New Medical Technology Introduction(3/3)		Biomedical Instrumentation Manufacture(3/3)	Application System Design on ZigBee Network(3/3)	Biomedical Embedded System Design(3/3)
					Design and Practice of Biomedical Instrument Control(3/3)	Introduction to Optical Bio-Sensor Design(3/3)	

Year 4: Spring

Technology Project
Management(1/3)

Medical Treatment EMI(3/3)

Biomedical Electronics
Clinical Applications(3/3)