

Asia Eastern University of Science and Technology, Department of Electronic Engineering.

【Course Flowchart】

General
Course

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Year 1: Fall	Year 1: Spring	Year 2: Fall	Year 2: Spring	Year 3: Fall	Year 3: Spring	Year 4: Fall	Year 4: Spring
Chinese (I) (2/2)	Chinese (II) (2/2)						
English (I) (2/2)	English (II) (2/2)	English (III) (2/2)					
CC-Knowledge Innovation(2/2)		CC-CIVIC LITERACY(2/2) Information Capability Development(2/2)	CC-History and Culture (2/2) CC-Classics reading(2/2)	LC-Science Technology and Society(2/2) LC-World Civilization(2/2)	LC-Literature and Arts(2/2) LC-Career Development(2/2) LC-Philosophy and Morality(2/2)		
Physical Education (I) (0/2) Military Training(0/2)	Physical Education (II) (0/2)	Physical Education (III) (0/2)	Physical Education (IV) (0/2)				

Professional
Compulsory
Course

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Digital Logic Design(3/3) Digital Logic Design Laboratory(3/3) Computer Programming(1/3)	Digital System Design(3/3) Electronics (I) (1/3) Electronic Laboratory(1/3) Microprocessors(3/3) Microprocessors Experiment(3/3)	Electrical Circuits (I) (3/3) Electronics (II)(1/3) Electronic Laboratory(1/3) Data Structure(3/3)	Electrical Circuits (II) (3/3) Electronics (III)(1/3) Introduction to Integrated Circuit Design(3/3)	Operation System(3/3) Lab on Operating System(1/3) Computer Architecture(3/3)	Computer Networks(3/3) Subject Study(1/3)	Subject Study(1/3)	Technology Project Management(1/3)
Physics(2/2) Calculus(3/3)	Physics(2/2) Calculus(3/3)	Engineering Mathematics (3/3)	Engineering Mathematics (3/3)				

Mathematics
& Physics

Professional
Elective
Course

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)	Digital Electronic B-Class Certification(3/3)	Microcontroller B-Class Certification(3/3)				Multimedia Design and International 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)	Medical Treatment EMI(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)	Biomedical Electronics Clinical Applications(3/3)
					Design and Practice of Biomedical Instrument Control(3/3)	Introduction to Optical Bio-Sensor Design(3/3)		