Oriental Institute of Technology. Department of Communication 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	Year 4: Spring
General Course 30 / 40	Chinese (I) (2/2) English (I) (2/2) CC-Knowledge Innovation (2/2)	Chinese (II) (2/2) English (II) (2/2) LC-Science-Technology and Society (2/2)	English (III) (2/2) CC-CIVIC LITERACY (2/2) CC-Classics reading (2/2)	Information Capability Development (2/2) CC-History and Culture (2/2) LC-Philosophy and Morality (2/2)	LC-World Civilization (2/2) LC-Literature and Arts (2/2)	LC-Career Development (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 63 / 85	Digital Logic Design (3/3) Digital Logic Design LAB. (1/3) Computer Programming Experience (1/3) Electrical Circuits (I) (3/3)	Electronics (I) (3/3) Electronic Laboratory (I) (1/3) Microprocessors (3/3) Microprocessors Laboratory (1/3)	Electronics (II) (3/3) Electronic Laboratory (II) (1/3) Probability (3/3)	Computer Networks (3/3) Electromagnetics (3/3) Signal and Systems (3/3)	Subject Study (I) (1/3) Computer Networks LAB. (1/3) Digital Signal Processing (3/3) Communication Systems (3/3)	Subject Study (II) (1/3) Communication Systems LAB. (1/3) Digital Communications (3/3) Digital Signal System LAB. (1/3)		
Mathematics & Physics	Calculus (I) (3/3) Physics (I) (2/2)	Calculus (II) (3/3) Physics (II) (2/2)	Engineering Mathematics (I) (3/3) Linear Algebra (3/3)					
Professional Elective Course 35 / 105	Fundamental Mathematics (I) (3/3)	Fundamental Mathematics (II) (3/3) Electrical Circuits (II) (3/3)	The fundamentals of optic communications (3/3) Introduction to RFID (3/3) Application of Engineering and Scientific Programming(3/3)	Communication Electronics (3/3) Introduction to Electromagnetic Compatibility (I) (3/3) Engineering Mathematics (II) (3/3) Innovative Invention and Patent Creation (3/3)	Electromagnetic Waves (3/3) Introduction to Electromagnetic Compatibility (II) (3/3) Introduction to Embedded Systems (3/3) Discrete Mathematics (3/3) Certification for Electromagnetic Compatibility Engineer(3/3)	Radio-Frequency Active Circuits (3/3) Practical Applications in Digital Signal Processing(3/3) Introduction to Signal Integrity (3/3)	Industry Practice (I) (3/3) Industry Practice (III) (3/3) Industry Practice (V) (9/9) Big Data Analytics Practice (3/3) Mobile Communications (3/3)	Industry Practice (II) (3/3) Industry Practice (IV) (3/3) Industry Practice (VI) (9/9) Application of Stereoscopic Video Technique(3/3) New Generation Mobile Communication Technology (3/3)
Microwave Engineering Special				Electromagnetics Demonstration (3/3)	Introcuction to Antennas (3/3) Android Mobile App Programming (3/3)	Wireless Communication Technologies (3/3) Introduction of Microwave Engineering (3/3)	Antenna Engineering (3/3) Introduction to Microwave Systems (3/3)	Certification for Antenna Design Engineering(3/3)
Multimedia Communications Special				Introduction to Internet of Things (3/3)	Wireless Sensor Networks (3/3) Mobile Programming (3/3)	Network Programming (3/3) Introduction to Big Data Analytics (3/3)	Certified Android Mobile App Development (3/3) Speech Signal Processing (3/3)	Introduction to Digital Image Processing (3/3)
Practical Certification Special		Digital Electronics B Grage Technique (3/3)	Level C Certification for network installation (3/3)	Communication Line Certification (CLASS C) (3/3) Level B Certification for network installation (3/3)	Communication Line Certification (CLASS B) (3/3)	CISCO Certified Network Associate Certifications (3/3)		