Oriental Institute of Technology. Department of Electrical Engineering.

Legend: General Education Core Curriculum | Curriculum of Liberal Arts Education | Professional Compulsory Course | Professional Elective Courses

	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	Core Curriculum of Liberal Arts Education(2/2); Physics(2/2); Chinese(2/2); English(2/2)	Core Curriculum of Liberal Arts Education(2/2); Physics(2/2); Chinese(2/2); English(2/2)	Core Curriculum of Liberal Arts Education(2/2); Elective Curriculum of Liberal Arts Education(2/2); Computer Science In Applications(2/2)	Core Curriculum of Liberal Arts Education(2/2); English(2/2)	Elective Curriculum of Liberal Arts Education(2/2)	Elective Curriculum of Liberal Arts Education(2/2)		
Mathematics	Calculus(3/3); Elementary Mathematics(3/3)	Calculus(3/3)	Engineering Mathematics(I)(3/3)	Engineering Mathematics(II)(3/3)				
Professional basis course	Computer Programming Laboratory(1/3); Introduction To Computers(3/3); Programmable Logic Controller Applications(3/3)	Electronics(I)(3/3); Electrical Circuits(I)(3/3); Electronic Laboratory(I)(1/3); Professional Programming Language Design(3/3)	Electronics(II)(3/3); Electrical Circuits(II)(3/3); Electronic Laboratory(II)(1/3); Electrical Machinery(3/3)	Electrical Machinery Laboratory(1/3); Computer Networks Laboratory(1/3); Microcontroller Laboratory(1/3); Electronics(III)(3/3)	Signals And Systems(3/3)	Electromagnetics(3/3); Mircoprocessor System Integration Technology(3/3)		
Power technology				Power Electronics(3/3); Industrial Electronics Certification Applications(3/3)	Power Electronic Experiment(1/3); Power Distribution Engineering(3/3); Power Systems(3/3); Power Electronics Certification Applications(3/3); Introduction To Energy(3/3)	Electric Machine Control(3/3); Introduction To Railway Electromechanical Systems(3/3)	Electric Circuit Simulation(3/3); Electrical Equipment Safety Features(3/3); Power Distribution And Monitor(3/3); Practice Of Railway Electromechanical Systems(3/3)	Power Electronic Simulation(3/3); Green Energy Practice(3/3); Railway Vehicles(3/3)
System and Intellectual control	Digital Logic Design(3/3)	Digital Circuit Design(3/3)	Sensing And Conditioning(3/3); OBJECT-ORIENTED PROGRAMMING PRACTICE(3/3); Computer Aided Pcb Design(3/3)	Computer Architechure(3/3); Embedded Systems(3/3)	Automatic Control(3/3); Introduction To Optomechanics And Electronics(3/3); Graphic Language(3/3); Practice Of Image Processing(3/3); Integrated Robot Control(3/3)	Automatic Control Laboratory(1/3); Electro-Optics Fundamentals And Laboratory(3/3); Peripheral Design For Pc Systems(3/3); Medical Instrumentaton-Applications & Designs(3/3); Intelligent Robot Control Practice(3/3)	Embedded System Integrated Application(3/3); Integrated Circuit Design(3/3)	Network Penetration Test(3/3); Integration Of Electro-Optics Engineering And Laboratory(3/3); Engineering Optimization(3/3)
Special Projects					Subject Study(1/3)	Subject Study(1/3); Engineering Thesis Writing(1/1)	Industry Practice(I)(3/3)	Industry Practice(II)(3/3)