

Semester	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	5	5	5	5	5	6	6	6	6	6	
Competencies: Rows/Courses: Columns	Digital Circuits	Electrical Technology	Logic of Programming for Engineers	The Profession	Intro to Applied Math	Digital Systems	Analog Circuit Analysis	Assembly Language Programming	Applied Math	Math3	C Language Programming	Intro to MicroProcessors	PC Hardware Troubleshooting	Analog and Digital Electronics	PCB Design	MicroController Hardware Design	Networking 1	Advanced Programming in C Language	Advanced Programming in Microprocessors	Advanced MicroProcessor Concepts	Integrated Circuits PLDs	New Developments in Digital Technology	Networking 2	Real Time Systems	Stage	MicroController Applications	Telecommunications	Network Troubleshooting	
037B To process information regarding the various workplaces of computer engineering technologists			X																										
037C To process technical information		X																							X				
037D To solve mathematical problems related to computer and digital systems technology.				X					X	X																			
037E To diagnose an analog electronics problem		X				X								X															
037F To diagnose a digital electronics problem.	X					X						X	X				X												
037G To diagnose a problem linked to a microprocessor circuit.											X	X							X										
037H To diagnose a problem linked to a computer system network.																X						X							X
037J To repair a computer system.												X																	X
037K To communicate in the work place.				X																					X				
037L To produce electronic diagrams.	X	X				X	X				X		X	X	X				X	X					X	X			
037M To devise a computer system project.																			X						X		X		
037N To design printed circuits.														X															
037P To create a computer systems prototype.															X				X	X					X				
037Q To carry out the integration and installation of the components of a computer system.														X	X				X	X					X	X			X
037R To write procedures pertaining to computer systems.														X					X						X	X			X
037S To program computer systems.			X				X			X	X				X	X	X	X	X	X			X	X	X	X	X		
037T To modify computer systems programming.																		X	X					X	X	X	X		
037U To perform computer system optimization activities.																					X			X	X	X	X	X	
037V To perform computer system design activities.															X									X	X	X	X		

