

For students entering Level 2 in September 2019 or after

COMPUTER ENGINEERING

LEVEL I			Total units: 37					
Course	Description	Units	Course	Description	Units			
ENGINEER 1AO0	Safety Training	0	PHYS 1E03	Waves, Electricity and Magnetic Fields	3			
CHEM 1E03	General Chemistry for Engineering I	3	ENGINEER 1D04	Engineering Computation	4			
PHYS 1D03	Introductory Mechanics	3	MATH 1ZB3	Engineering Mathematics II-A	3			
ENGINEER 1CO3	Engineering Design and Graphics	3	MATH 1ZC3	Engineering Mathematics II-B	3			
MATH 1ZA3	Engineering Mathematics I	3	MATLS 1M03	Structure and Properties of Materials	3			
ENGINEER 1PO3	Engineering Profession and Practice	3	ELECTIVE	Complementary Studies Elective	3			
ELECTIVE	Complementary Studies Elective	3						
TERM 1 UNITS			18	TERM 2 UNITS			19	
LEVEL II			Total units: 39					
Course	Description	Units	Course	Description	Units			
ELEC ENG 2CI5	Introduction to Electrical Engineering	5	ELEC ENG 2CJ4	Circuits and Systems	4			
COMP ENG 2SH4	Principles of Programming	4	ELEC ENG 2EI5	Electronic Devices and Circuits I	5			
COMP ENG 2DI4	Logic Design	4	COMP ENG 2SI4	Data Struct., Algo. and Discrete Maths	4			
MATH 2Z03	Engineering Mathematics III	3	ELEC ENG 2FL3	Applied Electromagnetics	3			
STATS 3Y03	Probability and Statistics for Engineering	3	COMP ENG 2DX4	MicroProcessor Systems Project	4			
TERM 1 UNITS			19	TERM 2 UNITS			20	
LEVEL III			Total units: 40					
Course	Description	Units	Course	Description	Units			
COMP ENG 3DQ5	Digital Systems Design	5	ELEC ENG 3TR4	Communications Systems	4			
ELEC ENG 3EJ4	Electronic Devices and Circuits II	4	ELEC ENG 3CL4	Introduction to Control Systems	4			
SFWR ENG 3K04	Software Development	4	COMP ENG 3SK3	Computer-Aided Engineering	3			
ELEC ENG 3TQ3	Advanced Probability and Random Processes	3	COMP ENG 3DY4	Computer Systems Integration Project	4			
ELEC ENG 3TP3	Signals and Systems	3	ENGINEER 2B03	Engineering Economics	3			
			ELECTIVE	Complementary Studies Elective	3			
TERM 1 UNITS			19	TERM 2 UNITS			21	
LEVEL IV			Total units: 37 39					
Course	Description	Units	Course	Description	Units			
COMP ENG 4DK4	Computer Communication Networks	4	COMP ENG 4DN4	Advanced Internet Communications	4			
COMP ENG 4DM4	Computer Architecture	4	SFWR ENG 3SH3	Operating Systems	3			
ENGINEER 4A03	Sustainability and Ethics in Engineering	3	COMP ENG 4DS4	Embedded Systems	4			
ELEC ENG 4OI6	Engineering Design	3	ELEC ENG 4OI6	Engineering Design	3			
ELECTIVE	ECE Technical Elective**	3 4	ELECTIVE	Fac of Eng Technical Elective	3 4			
			ELECTIVE	Complementary Studies Elective	3			
TERM 1 UNITS			17 18	TERM 2 UNITS			20 21	