

For students entering Level 2 in September 2020 or after

COMPUTER ENGINEERING

LEVEL I		Total units: 37					
Course	Description	Units		Course	Description	Units	
ENGINEER 1A00	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 1C03	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 1P03	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 2C15	Introduction to Electrical Engineering	5		ELEC ENG 2CJ4	Circuits and Systems	4	
COMP ENG 2SH4	Principles of Programming	4		ELEC ENG 2E15	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		SFWR ENG 3SH3	Operating Systems	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	
			TERM 1 UNITS 19	Elective	Complementary Studies Elective	3	
							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		COMPENG 3SK3	Computer-Aided Engineering	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	
			TERM 1 UNITS 17 18	ELECTIVE	Complementary Studies Elective	3	
							TERM 2 UNITS 20 21