

For students entering Level 2 in September 2019 or after

ELECTRICAL ENGINEERING & SOCIETY

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:	37				
Course	Description	Units		Course	Description	Units	
ELECENG 2CI5	Introduction to Electrical Engineering	5		ELECENG 2CJ4	Circuits and Systems	4	
COMPENG 2SH4	Principles of Programming	4		COMPENG 2SI4	Data Struct., Algo. and Discrete Maths	4	
COMPENG 2DI4	Logic Design	4		COMPENG 2DX4	Microprocessor Systems Project	4	
MATH 2Z03	Engineering Mathematics III	3		ENGSOC 2Y03	Case Studies in History and Technology	3	
ENGSOC 2X03	Inquiry in an Engineering Context I	3		STATS 3Y03	Probability and Statistics for Engineering	3	
				ELECTIVE	Focus Elective	3	
			TERM 1 UNITS	19			
						TERM 2 UNITS	18
LEVEL III		Total units:	31 34				
Course	Description	Units		Course	Description	Units	
ELECENG 3TQ3	Advanced Probability and Random Processes	3		ELECENG 2EI5	Electronics Devices and Circuits I	5	
ELECENG 3TP3	Signals and Systems	3		ELECENG 2FH4	Electromagnetics I	4	
ENGSOC 3Y03	Technology and Society	3		ELECENG 3EY4	Electrical Systems Integration Project	4	
ENGSOC 3Z03	Preventive Engineering: Environmental Perspectiv	3		COMPENG 3SK3	Computer Aided Engineering	3	
ELECTIVE	Focus Elective	3		ELECTIVE	Focus Elective	3	
				ELECTIVE	Optional Focus Elective	3	
			TERM 1 UNITS	12			
						TERM 2 UNITS	19 22
LEVEL IV		Total units:	38				
Course	Description	Units		Course	Description	Units	
ELECENG 3EJ4	Electronic Devices and Circuits II	4		ELECENG 3TR4	Communication Systems	4	
ELECENG 3FK4	Electromagnetics II	4		ELECENG 3CL4	Introduction to Control Systems	4	
ELECTIVE	Focus Elective	3		ELECENG 3PI4	Energy Conversion	4	
ELECTIVE	Focus Elective	3		ENGINEER 2B03	Engineering Economics	3	
ELECTIVE	Focus Elective	3		ENGSOC 3X03	Inquiry in an Engineering Context II	3	
ELECTIVE	Fac of Eng. Technical Elective	3					
			TERM 1 UNITS	20			
						TERM 2 UNITS	18
LEVEL V		Total units:	37 39				
Course	Description	Units		Course	Description	Units	
ELECENG 4OI6	Engineering Design	3		ELECENG 4OI6	Engineering Design	3	
ENGSOC 4X03	Inquiry in an Engineering Context III	3		ELECTIVE	ECE Directed Technical Elective*	4	
ENGSOC 4Y03	Society Capstone Design	3		ELECTIVE	ECE Directed Technical Elective*	4	
ELECTIVE	ECE Directed Technical Elective*	4		ELECTIVE	ECE Technical Elective**	3	4
ELECTIVE	Focus Elective	3		ELECTIVE	Focus Elective	3	
ELECTIVE	ECE Directed Technical Elective*	4	5				
			TERM 1 UNITS	20 21			
						TERM 2 UNITS	17 18

* From the list of courses in undergraduate calendar

** From the list of courses on ECE webpage

ECE Technical Elective refers to courses on the Approved List for each program found under the website heading "Resources".

ECE Directed Technical Elective refers to the courses listed for your program in the Undergraduate Calendar.

Faculty of Engineering Technical Elective refers to any 3 or 4 unit course at Level 3 or 4 from any department in the Faculty of Engineering (exceptions: ENGINEER 3N03, and any ElecEng or CompEng course).