

For students entering Level 2 in September 2020 or after

ELECTRICAL ENGINEERING & SOCIETY

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 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
			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
			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	Ennergy 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					
			TERM 1 UNITS	20 21	TERM 2 UNITS 17 18		