01-Jun-19

Total units for the program: ***148 151***

For students who entered Level 2 in September 2018 or before

ELECTRICAL 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 1DO3	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: 38

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	ELECENG 2EI5	Electronics Devices and Circuits I	5	
COMPENG 2DI4	Logic Design	4	ELECENG 2FH3	Electromagnetics I	3	
MATH 2Z03	Engineering Mathematics III	3	COMPENG 2SI4	Data Struct., Algo. and Discrete Maths	4	
STATS 3Y03	Probability and Statistics for Engineering	3	MATH 2ZZ3	Engineering Mathematics IV	3	
	TERM 1 UNITS	**19**		**TERM 2 UNITS**	**19**	

LEVEL III

Total units: 36

Course	Description	Units	Course	Description	Units	
ELECENG 3FK4	Electromagnetics II	4	ELECENG 3TR4	Communications Systems	4	
ELECENG 3EJ4	Electronic Devices and Circuits II	4	ELECENG 3CL4	Introduction to Control Systems	4	
ELECENG 3TQ3	Advanded Probability and Random Processes	3	ELECENG 3PI4	Energy Conversion	4	
ELECENG 3TP3	Signals and Systems	3	COMPENG 2DP4	MicroProcessor Systems	4	
ELECTIVE	Complementary Studies Elective	3	ENGINEER 2B03	Engineering Economics	3	
ELECTIVE	Complementary Studies Elective	3				
	TERM 1 UNITS	**20**		**TERM 2 UNITS**	**16**	

LEVEL IV

Total units: 37 40

Course	Description	Units		Course	Description	Units	
ELECENG 4OI6	Engineering Design	3		ELECENG 4OI6	Engineering Design	3	
ELECTIVE	ECE Directed Technical Elective*	4		COMPENG 3SK3	Computer Aided Engineering	3	
ELECTIVE	ECE Directed Technical Elective*	4		ENGINEER 4A03	Sustainability and Ethics in Engineering	3	
ELECTIVE	ECE Technical Elective**	3	4	ELECTIVE	ECE Directed Technical Elective*	4	
ELECTIVE	Fac of Eng. Technical Elective	3	4	ELECTIVE	ECE Directed Technical Elective*	4	
				ELECTIVE	ECE Technical Elective**	3	4
	TERM 1 UNITS	**17**	**19**		**TERM 2 UNITS**	**20**	**21**

* 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).