01-Jun-1	9				Total units for the program:	148	151
For students who entere	d Level 2 in September 2018 or before	ELEC	TRICAL ENGINEERING				
LEVEL I Course ENGINEER 1AO0 CHEM 1E03 PHYS 1DO3 ENGINEER 1CO3 MATH 1ZA3 ENGINEER 1PO3 ELECTIVE	Total Description Safety Training General Chemistry for Engineering I Introductory Mechanics Engineering Design and Graphics Engineering Mathematics I Engineering Profession and Practice Complementary Studies Elective	units:	37 Units 0 3 3 3 3 3	Course PHYS 1E03 ENGINEER 1D04 MATH 1ZB3 MATH 1ZC3 MATLS 1M03 ELECTIVE	Description Waves, Electricity and Magnetic Fields Engineering Computation Engineering Mathematics II-A Engineering Mathematics II-B Structure and Properties of Materials Complementary Studies Elective	Units	
	TERM 1	UNITS	18		TERM 2 UNITS	19	
LEVEL II	Total	units:	38	T			
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 U	UNITS	19		TERM 2 UNITS	19	
LEVEL III		UNITS units:	19 36	+	TERM 2 UNITS	19	
Course	Total Description		36 Units	Course	Description	Units	
Course ELECENG 3FK4	Total Description Electromagnetics II		36	ELECENG 3TR4	Description Communications Systems		
Course ELECENG 3FK4 ELECENG 3EJ4	Description Electromagnetics II Electronic Devices and Circuits II	units:	36 Units 4 4	ELECENG 3TR4 ELECENG 3CL4	Description Communications Systems Introduction to Control Systems	Units	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3	Total Description Electromagnetics II	units:	36 Units 4 4 3	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4	Description Communications Systems	Units 4	
Course ELECENG 3FK4 ELECENG 3EJ4	Description Electromagnetics II Electronic Devices and Circuits II	units:	36 Units 4 4 3 3	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4	Description Communications Systems Introduction to Control Systems	Units 4 4 4 4	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE	Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Proces Signals and Systems Complementary Studies Elective	units:	36 Units 4 4 3 3 3	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4	Description Communications Systems Introduction to Control Systems Energy Conversion	Units 4 4	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3	Total Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Proces Signals and Systems	units:	36 Units 4 4 3 3	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems	Units 4 4 4 4	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE	Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Proces Signals and Systems Complementary Studies Elective	units:	36 Units 4 4 3 3 3	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems	Units 4 4 4 4	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE	Total Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Proces Signals and Systems Complementary Studies Elective Complementary Studies Elective TERM 1 I	units:	36 Units 4 4 3 3 3 3 3 20	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems Engineering Economics	Units 4 4 4 4 3	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE ELECTIVE LEVEL IV Course	Total Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Proces Signals and Systems Complementary Studies Elective Complementary Studies Elective	units:	36 Units 4 4 3 3 3 3 3 20	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4 ENGINEER 2B03	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems Engineering Economics TERM 2 UNITS Description	Units	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE ELECTIVE LEVEL IV Course ELECENG 4OI6	Total Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Proces Signals and Systems Complementary Studies Elective Complementary Studies Elective TERM 1 II Description Engineering Design	units:	36 Units 4 4 3 3 3 3 3 20 37 Units	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4 ENGINEER 2B03 Course ELECENG 4OI6	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems Engineering Economics TERM 2 UNITS Description Engineering Design	Units	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE ELECTIVE LEVEL IV Course	Total Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Proces Signals and Systems Complementary Studies Elective Complementary Studies Elective TERM 1 I Description	units:	36 Units 4 4 3 3 3 3 3 20	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4 ENGINEER 2B03 Course ELECENG 4OI6 COMPENG 3SK3	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems Engineering Economics TERM 2 UNITS Description	Units	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE ELECTIVE LEVEL IV Course ELECENG 4016 ELECTIVE ELECTIVE	Total Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Proces Signals and Systems Complementary Studies Elective Complementary Studies Elective TERM 1 II Description Engineering Design ECE Directed Technical Elective* ECE Directed Technical Elective*	units:	36 Units 4 4 3 3 3 3 3 3 20 Units	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4 ENGINEER 2B03 Course ELECENG 4OI6 COMPENG 3SK3 ENGINEER 4A03	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems Engineering Economics TERM 2 UNITS Description Engineering Design Computer Aided Engineering Sustainability and Ethics in Engineering	Units 4 4 4 4 3 3 16 Units 3 3 3 3	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE ELECTIVE LEVEL IV Course ELECENG 4OI6 ELECTIVE ELECTIVE ELECTIVE	Total Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Processignals and Systems Complementary Studies Elective Complementary Studies Elective TERM 1 II Description Engineering Design ECE Directed Technical Elective* ECE Directed Technical Elective* ECE Technical Elective**	units:	36 Units 4 4 3 3 3 3 3 20 37 Units 4 4 4 3 3 3 4 4 4 4 3 3 3 3 4 4 4 4 4	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4 ENGINEER 2B03 Course ELECENG 4OI6 COMPENG 3SK3 ENGINEER 4A03 ELECTIVE	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems Engineering Economics TERM 2 UNITS Description Engineering Design Computer Aided Engineering Sustainability and Ethics in Engineering ECE Directed Technical Elective*	Units 4 4 4 4 3 3 16 Units 3 3 3 4	
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE ELECTIVE LEVEL IV Course ELECENG 4016 ELECTIVE ELECTIVE	Total Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Proces Signals and Systems Complementary Studies Elective Complementary Studies Elective TERM 1 II Description Engineering Design ECE Directed Technical Elective* ECE Directed Technical Elective*	units:	36 Units 4 4 3 3 3 3 3 3 20 Units	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4 ENGINEER 2B03 Course ELECENG 4OI6 COMPENG 3SK3 ENGINEER 4A03	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems Engineering Economics TERM 2 UNITS Description Engineering Design Computer Aided Engineering Sustainability and Ethics in Engineering	Units 4 4 4 4 3 3 16 Units 3 3 3 3	4
Course ELECENG 3FK4 ELECENG 3EJ4 ELECENG 3TQ3 ELECENG 3TP3 ELECTIVE ELECTIVE LEVEL IV Course ELECENG 4OI6 ELECTIVE ELECTIVE ELECTIVE	Total Description Electromagnetics II Electronic Devices and Circuits II Advanded Probability and Random Processignals and Systems Complementary Studies Elective Complementary Studies Elective TERM 1 II Description Engineering Design ECE Directed Technical Elective* ECE Directed Technical Elective* ECE Technical Elective**	units: sses UNITS units:	36 Units 4 4 3 3 3 3 3 20 37 Units 3 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 3 4	ELECENG 3TR4 ELECENG 3CL4 ELECENG 3PI4 COMPENG 2DP4 ENGINEER 2B03 Course ELECENG 4OI6 COMPENG 3SK3 ENGINEER 4A03 ELECTIVE ELECTIVE	Description Communications Systems Introduction to Control Systems Energy Conversion MicroProcessor Systems Engineering Economics TERM 2 UNITS Description Engineering Design Computer Aided Engineering Sustainability and Ethics in Engineering ECE Directed Technical Elective* ECE Directed Technical Elective*	Units 4 4 4 4 3 3 16 Units 3 3 3 4 4 4	4 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).