

For students who entered Level 2 in September 2018 or before

COMPUTER 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 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
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	ELECENG 2FL3	Applied Electromagnetics	3
MATH 2Z03	Engineering Mathematics III	3	ENGSOE 2Y03	Case Studies in History and Technology	3
ENGSOE 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 20		
LEVEL III		Total units: 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	COMPENG 3SK3	Computer Aided Engineering	3
SFWRENG 3K04	Software Development for Computer Engineering	4	COMPENG 2DP4	Microprocessor Systems	4
ENGSOE 3Y03	Technology and Society	3	ELECTIVE	Focus Elective	3
ENGSOE 3Z03	Preventive Engineering: Environmental Perspective	3	ELECTIVE	Focus Elective	3
TERM 1 UNITS 16			TERM 2 UNITS 18		
LEVEL IV		Total units: 32 29			
Course	Description	Units	Course	Description	Units
COMPENG 3DQ5	Digital Systems Design	5	COMPENG 3DR4	Computer Organization	4
ELECENG 3EJ4	Electronics II	4	ELECENG 3TR4	Communication Systems	4
ELECTIVE	Focus Elective	3	ELECENG 3CL4	Introduction to Control Systems	4
ELECTIVE	Focus Elective	3	ENGSOCTY 3X03	Inquiry in an Engineering Context II	3
ELECTIVE	Optional Focus Elective	3	ENGINEER 2B03	Engineering Economics	3
TERM 1 UNITS 18 15			TERM 2 UNITS 14		
LEVEL V		Total units: 37 38			
Course	Description	Units	Course	Description	Units
COMPENG 4DK4	Computer Communication Networks	4	COMPENG 4DN4	Advanced Internet Communications	4
COMPENG 4DM4	Computer Architecture	4	COMPENG 4DS4	Embedded Systems	4
ELECENG 4OI6	Engineering Design	3	ELECENG 4OI6	Engineering Design	3
ENGSOCTY 4X03	Inquiry in an Engineering Context III	3	SFWRENG 3SH3	Operating Systems	3
ENGSOCTY 4Y03	Society Capstone Design	3	ELECTIVE	Focus Elective	3
ELECTIVE	ECE Technical Elective**	3 4			
TERM 1 UNITS 20 21			TERM 2 UNITS 17		

** 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).