

For students entering Level 2 in September 2019 or after

COMPUTER ENGINEERING & MANAGEMENT

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: 34					
Course	Description	Units	Course	Description	Units			
ELECENG 2C15	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			
MATH 2Z03	Engineering Mathematics III	3	STATS 3Y03	Probability and Statistics for Engineering	3			
COMM 1AA3	Financial Accounting I	3	ELECTIVE	Complementary Studies Elective	3			
ECON 1BB3	Introductory Macroeconomics	3						
ENGMGT 2AA2	Communication Skills	2						
TERM 1 UNITS 20			TERM 2 UNITS 14					
LEVEL III			Total units: 34					
Course	Description	Units	Course	Description	Units			
COMPENG 2D14	Logic Design	4	COMPENG 2DX4	Microprocessor Systems Project	4			
ELECENG 3TQ3	Advanced Probability and Random Processes	3	ELECENG 2E15	Electronics Devices and Circuits I	5			
ELECENG 3TP3	Signals and Systems	3	ELECENG 2FL3	Applied Electromagnetics	3			
SFWRENG 3K04	Software Development	4	COMM 2FA3	Introduction to Finance	3			
COMM 1BA3	Organizational Behaviour	3	COMM 2MA3	Introduction to Marketing	3			
			COMM 2AB3	Managerial Accounting I	3			
TERM 1 UNITS 17			TERM 2 UNITS 17					
LEVEL IV			Total units: 36					
Course	Description	Units	Course	Description	Units			
COMPENG 3DQ5	Digital Systems Design	5	COMPENG 3DY4	Computer Systems Integration Project	4			
ELECENG 3EJ4	Electronic Devices and Circuits II	4	COMPENG 3SK3	Computer Aided Engineering	3			
ENGMGT 4A03	Innovation Driven Project Development and Mana	3	ELECENG 3CL4	Introduction to Control Systems	4			
ENGINEER 4A03	Sustainability and Ethics in Engineering	3	ELECENG 3TR4	Communications Systems	4			
COMM 3FA3	Managerial Finance	3	COMM 2BC3	Human Resources Management and Labour Re	3			
			COMM 3MC3	Applied Marketing Management	3			
TERM 1 UNITS 18			TERM 2 UNITS 18					
LEVEL V			Total units: 40					
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			
ENGMGT 5B03 or								
ENGMGT 5EP3	Engineering and Management Projects	3	SFWRENG 3SH3	Operating Systems	3			
COMM 4PA3	Business Policy: Strategic Management	3	COMM 4QA3	Operations Modelling and Analysis	3			
COMM ELECTIVE	Commerce Elective	3	COMM ELECTIVE	Commerce Elective	3			
TERM 1 UNITS 20			TERM 2 UNITS 20					

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).