

For students entering Level 2 in September 2020 or after

**ELECTRICAL ENGINEERING & MANAGEMENT**

<b>LEVEL I</b>		<b>Total units:</b>	<b>37</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>		<b>Course</b>	<b>Description</b>	<b>Units</b>	
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 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					
			<b>TERM 1 UNITS</b>	<b>18</b>			
					<b>TERM 2 UNITS</b>	<b>19</b>	
<b>LEVEL II</b>		<b>Total units:</b>	<b>35</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>		<b>Course</b>	<b>Description</b>	<b>Units</b>	
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	
ENGNMGT 2AA2	Communication Skills	2		COMPENG 2DX4	Microprocessor Systems Project	4	
COMM 1AA3	Financial Accounting I	3		STATS 3Y03	Probability and Statistics for Engineering	3	
ECON 1BB3	Introductory Macroeconomics	3					
MATH 2Z03	Engineering Mathematics III	3					
			<b>TERM 1 UNITS</b>	<b>20</b>			
					<b>TERM 2 UNITS</b>	<b>15</b>	
<b>LEVEL III</b>		<b>Total units:</b>	<b>35</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>		<b>Course</b>	<b>Description</b>	<b>Units</b>	
ELECENG 3TP3	Signals and Systems	3		ELECENG 2EI5	Electronics Devices and Circuits I	5	
ELECENG 3TQ3	Advanced Probability and Random Processes	3		ELECENG 2FH4	Electromagnetics I	4	
COMPENG 2DI4	Logic Design	4		ELECENG 3EY4	Electrical Systems Integration Project	4	
COMM 1BA3	Organizational Behaviour	3		COMPENG 3SK3	Computer Aided Engineering	3	
COMM 2AB3	Managerial Accounting I	3		COMM 2FA3	Introduction to Finance	3	
COMM 2MA3	Introduction to Marketing	3					
			<b>TERM 1 UNITS</b>	<b>16</b>			
					<b>TERM 2 UNITS</b>	<b>19</b>	
<b>LEVEL IV</b>		<b>Total units:</b>	<b>38</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>		<b>Course</b>	<b>Description</b>	<b>Units</b>	
ELECENG 3EJ4	Electronic Devices and Circuits II	4		ELECENG 3TR4	Communications Systems	4	
ELECENG 3FK4	Electromagnetics II	4		ELECENG 3PI4	Energy Conversion	4	
ENGNMGT 4A03	Innovation Driven Project Development and Management	3		ELECENG 3CL4	Introduction to Control Systems	4	
ENGINEER 4A03	Engineering and Social Responsibility	3		COMM 2BC3	Human Resource Management and Labour I	3	
COMM 3FA3	Managerial Finance	3		COMM 3MC3	Applied Marketing Management	3	
COMM ELECTIVE		3					
			<b>TERM 1 UNITS</b>	<b>20</b>			
					<b>TERM 2 UNITS</b>	<b>18</b>	
<b>LEVEL V</b>		<b>Total units:</b>	<b>29</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>		<b>Course</b>	<b>Description</b>	<b>Units</b>	
ELECENG 4OI6	Engineering Design	3		ELECENG 4OI6	Engineering Design	3	
ENGNMGT 5B03	Engineering and Management Projects	3		COMM 4QA3	Operations Modelling and Analysis	3	
COMM 4PA3	Business Policy: Strategic Management	3		COMM ELECTIVE	Commerce Elective	3	
ELECTIVE	ECE Directed Technical Elective*	4		ELECTIVE	ECE Directed Technical Elective*	4	
ELECTIVE	ECE Directed Technical Elective*	4		ELECTIVE	Complementary Studies Elective	3	
ELECTIVE	Fac of Eng. Technical Elective	3		ELECTIVE	ECE Directed Technical Elective*	4	
			<b>TERM 1 UNITS</b>	<b>13</b>			
					<b>TERM 2 UNITS</b>	<b>16</b>	