

For students entering Level 2 in September 2019 or after

**COMPUTER ENGINEERING & SOCIETY**

<b>LEVEL I</b>			<b>Total units: 37</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>	<b>Course</b>	<b>Description</b>	<b>Units</b>		
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					
<b>TERM 1 UNITS 18</b>			<b>TERM 2 UNITS 19</b>				
<b>LEVEL II</b>			<b>Total units: 39</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		
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		
<b>TERM 1 UNITS 19</b>			<b>TERM 2 UNITS 20</b>				
<b>LEVEL III</b>			<b>Total units: 34</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>	<b>Course</b>	<b>Description</b>	<b>Units</b>		
ELECENG 3TQ3	Advanced Probability and Random Processes	3	ELECENG 2EI5	Electronics Devices and Circuits I	5		
SFWRENG 3K04	Software Development for Computer Engineering	4	COMPENG 3SK3	Computer Aided Engineering	3		
ELECENG 3TP3	Signals and Systems	3	COMPENG 2DX4	Microprocessor Systems Project	4		
ENGSOE 3Y03	Technology and Society	3	ELECTIVE	Focus Elective	3		
ENGSOE 3Z03	Preventive Engineering: Environmental Perspective	3	ELECTIVE	Focus Elective	3		
<b>TERM 1 UNITS 16</b>			<b>TERM 2 UNITS 18</b>				
<b>LEVEL IV</b>			<b>Total units: 36 33</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>	<b>Course</b>	<b>Description</b>	<b>Units</b>		
COMPENG 3DQ5	Digital Systems Design	5	ELECENG 3TR4	Communication Systems	4		
ELECENG 3EJ4	Electronics II	4	COMPENG 3DY4	Computer Systems Integration Project	4		
ELECTIVE	Focus Elective	3	ELECENG 3CL4	Introduction to Control Systems	4		
ELECTIVE	Focus Elective	3	ENGSOE 3X03	Inquiry in an Engineering Context II	3		
ELECTIVE	Optional Focus Elective	3	ENGINEER 2B03	Engineering Economics	3		
<b>TERM 1 UNITS 18 15</b>			<b>TERM 2 UNITS 18</b>				
<b>LEVEL V</b>			<b>Total units: 37 38</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>	<b>Course</b>	<b>Description</b>	<b>Units</b>		
COMPENG 4DK4	Computer Communication Networks	4	COMPENG 4DN4	Advanced Internet Communications	4		
COMPENG 4DM4	Computer Architecture	4	SFWRENG 3SH3	Operating Systems	3		
ENGSOE 4X03	Inquiry in an Engineering Context III	3	COMPENG 4DS4	Embedded Systems	4		
ENGSOE 4Y03	Society Capstone Design	3	ELECENG 4OI6	Engineering Design	3		
ELECENG 4OI6	Engineering Design	3	ELECTIVE	Focus Elective	3		
ELECTIVE	ECE Technical Elective**	3 4					
<b>TERM 1 UNITS 20 21</b>			<b>TERM 2 UNITS 17</b>				

\*\* 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).