

Year 1/Level 1 (23 hrs) Sept/Jan/May	Year 1/Level 2 (23 hrs) Sept/Jan/May	Year 2/Level 3 (23 hrs) Sept/Jan/May	Year 2/Level 4 (24 hrs) Sept/Jan/May	Year 3/Level 5 (22 hrs) Sept/Jan/May	Year 3/Level 6 (22 hrs) Sept/Jan/May
<b>ETY155 (3/2)</b> Electricity	<b>APL255 (2/2)</b> Introduction to Microcomputing Concepts <b>Prerequisite ICO155</b>	<b>HSI255 (2/2)</b> Hardware and Software Interfacing <b>Prerequisite DGS266</b>	<b>CLD500 (2/2)</b> Cloud Computing Fundamentals <b>Prerequisite NET455</b>	<b>ETD555 (2/2)</b> Engineering Technology and Design <b>Prerequisite ECP455</b>	<b>TPJ655 (2/2)</b> Technical Project <b>Prerequisite MCO556, TEC400, ETD555</b>
<b>COM101 (3/0) or COM111 (6/0)</b> Communicating Across Contexts	<b>APL355 (2/2)</b> Intermediate Computing Concepts <b>Prerequisite ICO155</b>	<b>LNX255 (2/2)</b> Introduction to Linux <b>Prerequisite APL255, APL355</b>	<b>ECP455 (2/2)</b> Electronics Engineering Codes and Practices <b>Prerequisite HSI255</b>	<b>MCO556 (2/2)</b> ARM Microcontroller for Real-Time Embedded Applications <b>Prerequisite MCO455</b>	<b>AMT453 (4/0)</b> Advanced Mathematics <b>Prerequisite MTH356</b>
<b>LIN155 (1/2)</b> Electronic Lab Instrumentation and Techniques	<b>DGS266 (2/2)</b> Digital Electronics and Introduction to PLC <b>Prerequisites ETY155, PRG155</b>	<b>MCO455 (2/2)</b> Microcontroller Concepts <b>Prerequisite DGS266</b>	<b>MTH356 (4/0)</b> Mathematics – Introductory Calculus and Statistics <b>Prerequisite MTH255</b>	<b>TEC400 (3/0)</b> Technical Communications <b>Prerequisite COM101 or COM111</b>	<b>Professional Option*</b>
<b>PRG155 (2/2)</b> Introduction to Programming Using ‘C’	<b>IPS255 (3/0)</b> Interpersonal Skills in the Engineering Workplace <b>Prerequisite LIN155</b>	<b>NET455 (2/2)</b> Networking Essentials <b>Prerequisites APL255, APL355</b>	<b>PRG550 (2/2)</b> Programming Python with the Raspberry Pi <b>Prerequisite PRG355</b>	<b>Professional Option*</b>	<b>Professional Option*</b>
<b>MTH147 (6/0)</b> Mathematics with Foundations	<b>MTH255 (4/0)</b> Mathematics <b>Prerequisite MTH147</b>	<b>PRG355 (2/2)</b> Object-Oriented Programming Using C++ <b>Prerequisite PRG255</b>	<b>NSP655 (1/3)</b> Network Servers and Peripherals <b>Prerequisites NET455, LNX255</b>	<b>Professional Option*</b>	<b>Professional Option*</b>
<b>ICO155 (2/0)</b> Introduction to Computers	<b>PRG255 (2/2)</b> Advanced Programming Using ‘C’ <b>Prerequisite PRG155</b>	<b>General Education Elective (3/0)</b>	<b>WCM555 (2/2)</b> Wireless Communication and Microcontrollers <b>Prerequisite MCO455</b>	<b>Professional Option*</b>	<b>General Education Elective (3/0)</b>

\*Visit [SEMET page](#) for the list of the professional option courses.