

Year 1/Level 1 (23 hrs) Sept/Jan/May	Year 1/Level 2 (23 hrs) Sept/Jan/May	Year 2/Level 3 (24 hrs) Sept/Jan/May	Year 2/Level 4 (25 hrs) Sept/Jan/May	Year 3/Level 5 (24 hrs) Sept/Jan/May	Year 3/Level 6 (23 hrs) Sept/Jan/May
ETY155 (3/2) Electricity	CAD266 (0/4) Computer Aided Design for Electronics Prerequisites ICO155	MIR355 (2/2) Microcomputer Repair Prerequisite ICO155	ECP455 (2/2) Engineering Codes and Practices Prerequisite HSI266	ETD555 (2/2) Engineering Technology and Design Prerequisite ECP455	TPJ655 (2/2) Technical Project Prerequisite MCO556, TEC400, ETD555
COM101 (3/0) or COM111 (6/0) Communicating Across Contexts	DGS266 (2/2) Digital Electronics and Introduction to PLC Prerequisite ETY155, PRG155	HSI266 (2/2) Hardware Software Integration Prerequisite CAD266, DGS266	MCO455 (2/2) Microcontroller Concepts Prerequisite HSI266	MCO556 (2/2) ARM Microcontroller for the Real-Time Embedded Applications Prerequisite MCO455	TRN553 (2/2) Transmission Theory Prerequisite COM556
LIN155 (1/2) Electronic Lab Instrumentation and Techniques	MEC355 (2/2) Mechatronics: Pneumatics and Hydraulic Prerequisite ETY155	CAD366 (0/4) Advanced Computer Aided Design for Electronics Prerequisite CAD266	TEC400 (3/0) Technical Communications Prerequisite COM101 or COM111	COM556 (2/2) Wireless and Satellite Communication Systems Prerequisite ECR353	ELM453 (2/2) Motors and Transformers Prerequisite ECR353, PHY354
PRG155 (2/2) Programming Fundamentals Using 'C'	IPS255 (3/0) Interpersonal Skills in the Engineering Workplace Prerequisite LIN155	CSF453 (2/2) Control Systems Fundamentals Prerequisite DGS266, MEC355	ECR353 (2/2) Electronic Circuits Prerequisite CAD366, ELD255, COM455	DGS355 (2/2) Digital Systems Prerequisite ECR353, CSF453	AMT453 (4/0) Advanced Mathematics Prerequisite MTH356
MTH147 (6/0) Mathematics with Foundations	ECR255 (2/2) AC Circuit Principles Prerequisite ETY155, LIN155 Corequisite MTH255	ELD255 (2/2) Semiconductor Devices Prerequisite ECR255 Corequisite COM455	MTH356 (4/0) Mathematics – Introductory Calculus and Statistics Prerequisite MTH255	PHY354 (2/2) Physics for Electronics Prerequisite MTH356	Professional Option*
ICO155 (2/0) Introduction to Computers	MTH255 (4/0) Mathematics Prerequisite MTH147 Corequisite ECR255	COM455 (2/2) Communications Fundamentals Prerequisite ECR255, MTH255 Corequisite ELD255	General Education Elective (3/0) General Education Elective (3/0)	Professional Option*	General Education Elective (3/0)