1. Communications Courses

   ENG 111 Expository Writing
   COM 110 Intro. To Communication

2. Mathematics Courses

   MAT 121 Algebra/Trigonometry I
   MAT 122 Algebra/Trigonometry II
   MAT 122 Algebra/Trigonometry II
   MAT 223 Applied Calculus

3. Physical & Natural Sciences

   ELN 133E Digital Electronics
   ELC 213 Instrumentation
   PHY 131 Physics – Mechanics OR PHY 151 College Physics I
   Behavioral and Social Sciences (3 Credit Hrs.)
   Humanities and Fine Arts Elective (3 Credit Hrs.)

4. Social Sciences & Humanities

   ENG 114 Professional Research and Reporting
   ENG 111 Expository Writing
   COM 110 Intro. To Communication
   ELN 137 Electronic Devices & Circuits
   ELN 237 LAN (Ethernet, includes wireless)
   ELN 260 Programmable Logic Controllers
   CSC 139 Visual BASIC Programming
   Behavioral and Social Sciences (3 Credit Hrs.)
   Humanities and Fine Arts Elective (3 Credit Hrs.)

5. Technical Content

   ELC 138 DC Circuit Analysis
   ELC 139 AC Circuit Analysis
   ELC 213 Instrumentation
   ELC 137 Electronic Devices & Circuits
   ELC 260 Programmable Logic Controllers
   ELN 133E Digital Electronics
   ELN 237 LAN (Ethernet, includes wireless)
   ELN 150 CAD for Electronics
   ELN 260 Programmable Logic Controllers
   PIC 170 DAQ & Control (LabView)
   PIC 172 SCADA Systems (HMI)
   PIC 173 Programmable Systems (Adv. PLCs, PACs, network-based, HMI)
   PCI 162 Instrumentation Controls (DCS, Process Control, PID)

Legend:
- Prerequisite
- Corequisite

NOTE: The Instrumentation and Control Track will also transfer to B.S.E.T. programs; however, students should complete a second Physics class to ensure that he/she is not considered deficient with credit hours in Physics.

ELECTRONICS ENGINEERING TECHNOLOGY CURRICULUM Instrumentation and Control Track (A40200)

Courses are classified into ABET Criterion 4 categories of:
- Communications
- Mathematics
- Physical & Natural Sciences
- Social Sciences & Humanities
- Technical Content