Upon graduation, the graduates of the Electronics and Computer Engineering Technology program will be able to:

• Acquire and apply technical expertise in the areas of Circuit analysis, Analog electronics, Digital electronics, Microprocessors, and Communication systems.

• Utilize Virtual Instrumentation, Data Acquisition (LabView), CAI, Schematic Capture and Test and Applications software packages to refine skills and to analyze and design various electronic circuits.

• Develop and Demonstrate Problem Solving Skills.

• Develop a willingness to learn independently.

• Develop and demonstrate effective wiring and laboratory skills.

• Demonstrate Equipment/Instrumentation Competence

• Develop and demonstrate Technical Documentation/Lab Report writing skills and the ability to comprehend Technical Documentation including Schematic Diagrams

• Demonstrate effective Oral Presentation Skills

• Value Safety Training, Safe Work Practices and acknowledge Safety Standards

• Develop and Demonstrate the synergistic relationship and integration of various technical and academic fields into the study of Electronics (i.e. Mechatronics)

• Design, Construct, and Troubleshoot AC and DC Motor Control Circuits and demonstrate an understanding of process control.

• Demonstrate a thorough understanding of DC and AC theory and operating concepts.

As approved by the Electronics and Computer Engineering Technology Advisory Committee.