Electrical Engineering Technology
Program Outcomes

- Acquire and apply technical expertise in the areas of Circuit analysis, Analog electronics, Digital electronics, Microprocessors, and Communication systems.
- Utilize Virtual Instrumentation, Data Acquisition, 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.