Upon graduation, the graduates of the Industrial Electricity/Electronics 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
- Utilize a programmable logic controller
- Interpret electrical drawings and diagrams
- Demonstrate AC and DC motor drive principles
- Utilize Code of Federal Regulations (CFR) 30 and the National Electrical Code (NEC) for electrical design and installation
- Perform comprehensive electrical troubleshooting with applicable tools and instruments
- Develop and demonstrate effective wiring and laboratory skills
- Value Safety Training, Safe Work Practices and acknowledge Safety Standards
- 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