



APPRENTICESHIP PROGRAM

Mechatronics Technician

PROGRAM OUTCOMES:

In our Mechatronics program, you will explore computer-automated machines and develop problem-solving and troubleshooting skills in mechanical, electrical, fluid power, and programming areas.

Courses include electronics, pneumatics, hydraulics, science, programmable logic controllers, motors, transformers, motor controls, pumps, and mechanical systems.

PROGRAM LENGTH:

Diploma hours: 720

AAS hours: 645

A probationary period of hours of 500

CERTIFICATION:

Automation Certificate

Control Systems Certificate

Fluid Power Certificate

Industrial Technology Certificate

Instrumentation Certificate

Process Control Certificate

ON-THE-JOB LEARNING COMPETENCIES:

- Test electrical equipment or systems to ensure the proper functioning
- Maintain repair or maintenance records
- Test mechanical equipment to ensure the proper functioning
- Inspect equipment to locate or identify electrical problems
- Install electrical components, equipment, or systems



JOB FUNCTIONS:

- Test faulty equipment to diagnose malfunctions, using test equipment or software and applying knowledge of the functional operation of electronic units and systems
- Maintain equipment logs that record performance problems, repairs, calibrations, or tests
- Set up and test industrial equipment to ensure that it functions properly
- Inspect components of industrial equipment for accurate assembly and installation or for defects, such as loose connections or frayed wires
- Install repaired equipment in various settings, such as industrial or military establishments

SKILLS:

Problem-solving skills, Troubleshooting skills, Equipment Maintenance

