



APPRENTICESHIP PROGRAM

Mechatronics / Mechatronics Technician

PROGRAM OUTCOMES:

In our Mechatronics program, you will explore computer-automated machines, develop problem-solving, 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:

Years: 2

Diploma hours: 705

AAS hours: 720

A probationary period of 90 days

RELATED TECHNICAL INSTRUCTION (RTI):

Certificate(s), Diploma, AAS Degree

COURSE SPECIALIZATION:

- Electromechanical
- Process Instrumentation and Control

ON-THE-JOB TRAINING (OJT) 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, Troubleshooting, Equipment Maintenance, Communication, Adaptability, Self-Motivated

