

## 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
- 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
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