

# INDUSTRIAL SYSTEMS

## ABOUT THIS PROGRAM

The Industrial Systems Technology program equips students with the comprehensive skills and training necessary to excel as a technician in an industrial environment. As a multi-craft curriculum, instruction emphasizes understanding of fundamental machine concepts, systems development, troubleshooting, maintenance practices & strategies, and practical applications. Hands-on labs provide real world scenarios and practical experience. Topics include Electricity, PLC's, Hydraulics, Pneumatics, Motors, Control Systems, Blueprints, Safety, Troubleshooting, HVAC, Welding, and Machining. Students learn to utilize diagnostic tools and equipment to troubleshoot, diagnose, and repair a variety of systems used in the manufacturing and industrial workplace.



### APPLICABLE JOB TITLES:

- Automation Technician
- Electro-Mechanical Technician
- Robotics Technician
- Maintenance Technician
- Manufacturing Technician
- Facilities Technician
- PLC Programmer

### MEDIAN SALARY:

\$59,380/yr \$28.55/hr  
Industrial Machinery Mechanics, Machinery  
Maintenance Workers, & Millwrights

### BUREAU OF LABOR STATISTICS:

<https://www.bls.gov/ooh/installation-maintenance-and-repair/industrial-machinery-mechanics-and-maintenance-workers-and-mill>

### JOB PLACEMENT OF RECENT GRADUATES OF THIS PROGRAM:

- Arauco
- Pfizer
- Mertek
- Bharat Forge
- Duke Energy
- Kellogg's
- 3M
- Novo Nordisk
- Coty
- Moen
- Tyson
- Pentair

### SKILLS/APTITUDES NEEDED FOR PROGRAM:

- Problem-solving skills
- Attention to detail
- Effective communication skills



[www.cccc.edu](http://www.cccc.edu)

## **DEGREE(S)**

Associate in Applied Science in Industrial Systems Technology (A50240; LMC; Day) – 5 semesters (summer included)

## **DIPLOMA(S)**

Diploma in Industrial Systems Technology (D50240; LMC; Day) – 3 semesters (summer included)

## **CERTIFICATE(S)**

Certificate in: Electrical Controls (C5024010; LMC; Evening); Industrial Hydraulics (C25024020; PLCs (C5024030); Short term: Forklift, Wastewater, OSHA, NCCER

## **TRANSFER OPTIONS**

Yes – University of North Carolina System (Contact the program lead below to discuss transfer options further.)

## **ADDITIONAL COSTS OF PROGRAM**

None

## **STATE LICENSURE/EXAMS/INDUSTRY CERTIFICATIONS**

None

## **ADDITIONAL ADMISSIONS PROCESS**

None

# **CONTACTS**

Wesley Womack, Lead Instructor, Industrial Systems Technology:

**(919) 718-7241 or [wwomack@cccc.edu](mailto:wwomack@cccc.edu)**