



Applied  
Technologies

# INDUSTRIAL SYSTEMS

## ABOUT THE 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. 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.



## CCCC Career Community

Students interested in Applied Technologies tend to be action-oriented problem solvers who like to work with their hands - making, building, and repairing all kinds of things. Graduates often find employment in advanced manufacturing, construction, the automotive industry, or the trades.

R X I A S E C X



## Possible Employment In Industry

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



## Top Employers In Region

Arauco  
Pfizer  
Tyson  
Mertek  
Bharat Forge  
Duke Energy



## Occupational Statistics

Median Salary:

\$59,380/yr \$28.55/hr

Industrial Machinery Mechanics, Machinery  
Maintenance Workers, & Millwrights



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## Degrees

Associate in Applied Science in Industrial Systems Technology (A50240; LMC; Day) - 5 Semesters (Summer Included)



## Diplomas

Diploma in Industrial Systems Technology (D50240; LMC; Day) 3 Semesters (Summer Included)



## Certificates

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 through the QR code below to discuss transfer options further).



## Additional Program Costs

None



## State Licensure/Exams/ Industry Certifications

None



## Additional Admissions Process

None



## Skills In Demand For Program And Industry

Problem-solving skills  
Attention to detail  
Effective communication skills



## Work-Based Learning Information

Hands-on labs provide real world scenarios and practical experience.



To find all program planning guides, contact information, and more, scan the QR code or visit [www.cccc.edu/programs](http://www.cccc.edu/programs)