



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.



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



CENTRAL CAROLINA
COMMUNITY COLLEGE

www.cccc.edu



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