Economic & Workforce Development

Cleveland
COMMUNITY COLLEGE

Dr. L. Steve Thornburg, President
Cleveland Community College
Shelby, NC

CCC Mission Statement:

Cleveland Community College provides diverse and accessible learning opportunities to meet the educational and training needs of our community.

Economic & Workforce Development

	Cleveland County	North Carolina
Population	97,474	9,752,073
High School Graduate or Higher	79.5%	84.1%
Bachelor's Degree or Higher	15.6%	26.5%

U. S. Census Bureau

Economic & Workforce Development

	Cleveland County	North Carolina
Per Capita Income	$19,475	$25,256
Median Household Income	$38,352	$46,291
Persons Below Poverty Level	19.4%	16.1%

U. S. Census Bureau

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Cleveland County

Unemployment Levels

15.6% July 2009

15.6% January 2010

11.3% January 2013

10.5% February 2013

9.8%   March 2013

9.5%   April 2013

10.0% May 2013

10.4% June and July 2013

9.3%   August 2013

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The College and Employers Work Together To Develop

- Training Needs Analysis
- Pre-Employment Assessments
- Instructional Design
- Instructional Manuals, Videos, etc.
- Pre-Employment Training

Customized Training for Industry in Cleveland County

- ➢ Clearwater Paper
- ➢ Greenheck Fan Corporation
- ➢ PPG
- ➢ Curtiss-Wright Flight Systems
- ➢ Baldor
- ➢ KSM Castings NC

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Customized Training for Industry in Cleveland County

- ➢ Schletter
- ➢ Kendrion FAS Controls
- ➢ Specialty Textiles
- ➢ B & W Fiberglass
- ➢ Maco
- ➢ D M & E

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Customized Training for Industry in Cleveland County

- ➢ Ultra Machine
- ➢ Ticona
- ➢ Purolator
- ➢ Wellington Hamrick
- ➢ Pioneer Motor Bearing
- ➢ Perfection Coatings

September 2013

United States Department of Labor

Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grant

$23,000,000 for a regional consortium of five colleges

Mission Critical Operations (MCO)

Mission Critical Operations (MCO)

Mission critical is defined in this context as,

"any operation requiring round-the-clock supervision of systems and is aimed at combating the evolving threat of critical infrastructure operations failure."

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Industry Employer Partners

- Clearwater Paper
- Duke Energy
- Envirotrol
- Heatcraft Refrigeration Products
- Integrated Power Solutions
- Nash County Emergency Services
- Nash Police Department
- STEAG Energy Services

Economic & Workforce Development

Industry Organization Partners

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Industry Organization Partners

➢ The International Society of Automation (ISA)

➢ Automation Federation (AF)

Industry Organization Partners

➢ NC State University Industrial Extension Service (NCSU IES)
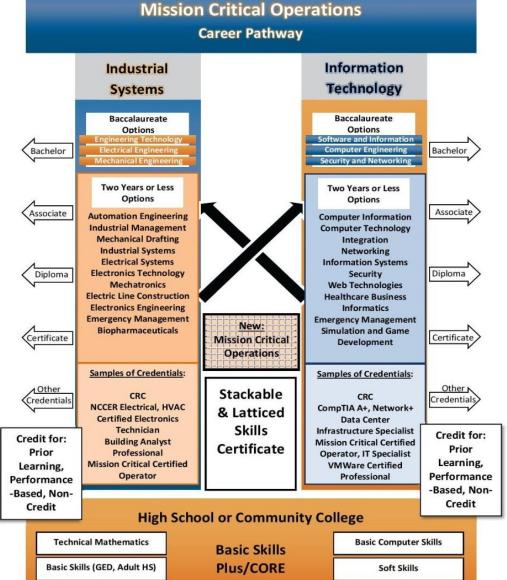
➢ North Carolina Community College System

MCO Program Plan

- STEM Heavy Curriculum
- Critical Thinking
- Independent Motivation
- Interpersonal Skills
- Continuing Professional Development

Economic & Workforce Development

Mission Critical Operations
Career Pathway

Industrial Systems | **Information Technology**

Baccalaureate Options
- Engineering Technology
- Electrical Engineering
- Mechanical Engineering

Bachelor

Baccalaureate Options
- Software and Information
- Computer Engineering
- Security and Networking

Bachelor

Two Years or Less Options

Associate

- Automation Engineering
- Industrial Management
- Mechanical Drafting
- Industrial Systems
- Electrical Systems
- Electronics Technology
- Mechatronics
- Electric Line Construction
- Electronics Engineering
- Emergency Management
- Biopharmaceuticals

Diploma

Two Years or Less Options

Associate

- Computer Information
- Computer Technology
- Integration
- Networking
- Information Systems
- Security
- Web Technologies
- Healthcare Business Informatics
- Emergency Management
- Simulation and Game Development

Diploma

Certificate

New: Mission Critical Operations

Certificate

Samples of Credentials:
- CRC
- NCCER Electrical, HVAC
- Certified Electronics Technician
- Building Analyst Professional
- Mission Critical Certified Operator

Other Credentials

Stackable & Latticed Skills Certificate

Samples of Credentials:
- CRC
- CompTIA A+, Network+
- Data Center
- Infrastructure Specialist
- Mission Critical Certified Operator, IT Specialist
- VMWare Certified Professional

Other Credentials

Credit for: Prior Learning, Performance-Based, Non-Credit

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High School or Community College

Technical Mathematics	**Basic Skills Plus/CORE**	Basic Computer Skills
Basic Skills (GED, Adult HS)		Soft Skills

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North Carolina's Community Colleges ~ Working Together with the North Carolina General Assembly for the People of North Carolina's Economic and Career Prosperity

CreatingSuccess

NC Community Colleges
Hope • Opportunity • Jobs

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