



## Board of Directors Executive Committee Meeting Agenda

JANUARY 15, 2026 • 3:00 – 3:30 P.M., ET

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### Chair's Welcome & Remarks

*Stephanie Smith*

### Action Item

1. Determination on Appeals of Credentials Review Committee Actions

### Open Discussion/Public Comment

### Closing Remarks

*Stephanie Smith*

## UPCOMING MEETINGS

**Joint Council Meeting** | January 27, 10:00 a.m. – 12:00 p.m., Tallahassee

**Board of Directors Meeting** | January 28, 9:00 a.m. – 12:00 p.m., Tallahassee

## Action Item 1

### Determination on Appeal of Credentials Review Committee Actions

Pursuant to section 445.004(4)(h), Florida Statutes, and the Reimagining Education and Career Help (REACH) Act, section 14.36, F.S., the CareerSource Florida Board of Directors appoints the Florida Credentials Review Committee to identify nondegree credentials and degree credentials of value for approval by the state workforce development board and inclusion on the state's Master Credentials List. The Credentials Review Committee acts as an advisory committee or similar group created by CareerSource Florida.

The Credentials Review Committee established a definition for credentials of value and, in alignment with federally funded workforce accountability requirements, created a Framework of Quality that undergoes a biennial review as required by s. 445.004(4)(h)3., F.S. The Credentials Review Committee developed a Master Credentials List and a process for the quarterly review and approval of credential applications. The Master Credentials List serves as the basis for the Florida Department of Education's Postsecondary Career and Professional Education (CAPE) Act Industry Certification Funding List. Applicants seeking eligibility for CAPE Act funding for secondary and postsecondary industry certifications must submit a Master Credentials List application for inclusion on the Master Credentials List. The submission must meet both CAPE eligibility criteria – as set forth in Rule 6A-6.0576, Florida Administrative Code – and standards defined in the Framework of Quality as required by s. 445.004(4) and s. 1008.44, F.S. CAPE approved certifications that are added to the 2025-2026 Master Credentials List are also added to the 2025-2026 CAPE Industry Certification Funding List.

After the November 6, 2025, Credentials Review Committee meeting, where the committee approved the 2025-2026 Master Credentials list, the Credentials Review Committee and CareerSource Florida received twelve (12) valid appeals within the required timeframe.

The Interagency Review Team, a multi-agency group composed of representatives from CareerSource Florida, Florida Department of Education, FloridaCommerce, the REACH Office, and Florida Department of Agriculture and Consumer Services (FDACS) (for agriculture-related credentials), evaluated the credential applications. Each credential was evaluated using statutory requirements<sup>1</sup> and the currently adopted Framework of Quality to ensure it met the following criteria:

- Alignment with Industry Certification Standards

The credential must meet the formal definition of an industry certification, including validation by a recognized certifying body.

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<sup>1</sup> Section 445.004(4)(h)

- Direct Linkage to In-Demand and High-Wage Employment  
The credential must demonstrate a clear and verifiable connection to a Standard Occupation Classification (SOC) code that reflects current labor market demand, meets established wage thresholds, and holds recognized value within the industry.
- Evidence-Based Review  
All evaluations must be grounded in publicly accessible and verifiable documentation, ensuring transparency and consistency in the review process.

The evaluation of appeal applications led to the recommendation by the Interagency Review Committee for the addition of 9 new credentials to the 2025-2026 Master Credentials List. Those credentials are as follows:

No.	Name of Credential	Submitted by
1.	HBI Certificate Training (PACT), Plumbing	Florida School District – Polk
2.	1. Festo Introduction to Mechatronics 2. Festo Fundamentals of Electricity - AC 3. Festo Fundamentals of Electricity—Direct Current 4. Festo Fundamentals of Mechanical Systems 5. Festo Fundamentals of Fluid Power Hydraulics 6. Festo Fundamentals of Fluid Power- Pneumatics 7. Festo Fundamentals of PLCs- Allen Bradley 8. Festo Fundamentals of PLC-Siemens	Florida State College at Jacksonville

Additionally, the evaluation of appeal applications led to the recommendation by the Interagency Review Committee to deny 3 credentials for inclusion in the 2025-2026 Master Credentials List. These credentials are as follows:

Name of Credential	Submitted by	Reason for Denial
SFMA Turfgrass Science Certification	Florida School District- Martin	<u>SOC Code Review:</u> The associated Standard Occupational Classification (SOC) code does not meet the Framework of Quality wage and demand requirements. Labor market data indicated insufficient earnings potential and limited projected openings, disqualifying the credential from priority consideration. The SOC code submitted by the applicant, 37-1012 First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers, does not match the skills or tasks covered by the certification. SOC 37-1012 applies to positions that supervise and coordinate landscaping or groundskeeping staff and includes responsibilities such as reviewing contracts, estimating labor and material needs, and responding to customer inquiries. The appropriate SOC for this certification was determined to be 37-3011 Landscaping and Groundskeeping Workers. This occupation does not meet wage or demand requirements for priority consideration. SOC 37-3011 includes duties such as mowing, trimming, sod installation, planting, watering, fertilizing, and general grounds maintenance. As of December 18, 2025, the certifying body lists skills such as landscape maintenance, mowing, horticulture, and turfgrass as part of the assessment, which aligns with 37-3011 rather than a supervisory role.
World Association of Master Chefs Culinary Foundations	Florida School District - Osceola	<u>SOC Code Review:</u> The associated Standard Occupational Classification (SOC) code does not meet the Framework of Quality wage and demand requirements. The SOC code submitted by the applicant, 11-9051 Food

		<p>Service Managers, does not match the skills or tasks covered by the certification. SOC 11-9051 applies to roles that plan, direct, or coordinate food service operations. These positions oversee organizational or departmental activities and do not perform the hands-on culinary tasks assessed by this certification.</p> <p>The appropriate SOC for this certification was determined to be 35-2014 Cooks, Restaurant. This occupation does not meet wage or demand requirements for priority consideration. SOC 35-2014 includes preparing, seasoning, and cooking dishes in a restaurant setting. Workers in this occupation may also order supplies, keep basic records, price menu items, or assist with menu planning.</p> <p>As of December 18, 2025, the certification website indicates that candidates earning this credential demonstrate skills in culinary arts, including knife skills, recipe execution, and time management. The skills outlined as part of this certification prepare individuals for entry level kitchen positions such as restaurant cook, line cook, short order cook, station cook, delicatessen cook, and prep cook.</p>
HBI Certificate Training (PACT), Residential Construction Principles	Florida School District – Polk	<p>The applicant submitted an articulation agreement to address the SOC deficiencies. Although the submitted agreement resolves the wage deficiency, it does not address the demand deficiency. Only Local Workforce Development Boards can submit applications for Local Demand as required by the Framework of Quality.</p> <p>Additionally:</p> <p><b>SOC Code Review:</b> The associated Standard Occupational Classification (SOC) code does not meet the Framework of Quality's demand requirements. The SOC code submitted by the applicant, 471011 Firstline Supervisors of Construction Trades and Extraction Workers, does not match the skills or tasks covered by the certification. SOC 471011 applies to positions that supervise and coordinate the work of construction or extraction crews, which is not aligned with the entry level content of this certification.</p> <p>The appropriate SOC for this certification is 472061 Construction Laborers, which does not meet wage or demand requirements for priority consideration. SOC 472061 includes physical labor on construction sites. Workers in this occupation may operate hand and power tools such as air hammers, tampers, cement mixers, small hoists, and surveying equipment. Tasks may include cleaning and preparing sites, digging trenches, setting braces for excavations, erecting scaffolding, and removing debris. Workers who primarily assist in a specific craft are classified under Helpers, Construction Trades (473010). Hazardous Materials Removal Workers are classified separately under 474041.</p> <p>As of December 18, 2025, the certification website explains that the credential combines classroom instruction with hands-on learning. Students gain practical experience with construction concepts such as safety, trade mathematics, measurement, proper use of hand and power tools, and material identification. The certification also emphasizes essential safety practices, including correct use of personal protective equipment, safe lifting and carrying techniques, and proper tool handling, which are key skills for entry level workers to prevent injury and work productively.</p>

With the approval of this Action item by the Executive Committee the, 2025-2026 Master Credentials List will include 2,403 total credentials consisting of:

- 296 degree credentials
- 884 non-degree credentials

- 592 registered apprenticeships
- 589 industry certifications
- 42 K-8 Cape digital tools

Credential submitters, including those whose appeals are denied, are encouraged to work with school districts, local workforce development boards, and other stakeholders to resolve deficiencies and re-submit credentials for consideration by the Credentials Review Committee.

## **FOR CONSIDERATION**

- **Approval of the appeal of the Polk County School District and approve the following credential for inclusion on the Master Credentials List:**
  - HBI Certificate Training (PACT), Plumbing
- **Approval of the appeal of the Florida State College at Jacksonville and approve the following credentials for inclusion on the Master Credentials List:**
  - Festo Introduction to Mechatronics
  - Festo Fundamentals of Electricity - AC
  - Festo Fundamentals of Electricity - Direct Current
  - Festo Fundamentals of Mechanical Systems
  - Festo Fundamentals of Fluid Power Hydraulics
  - Festo Fundamentals of Fluid Power - Pneumatics
  - Festo Fundamentals of PLCs - Allen Bradley
  - Festo Fundamentals of PLC - Siemens
- **Denial of the appeal of and uphold the decisions of the Credentials Review Committee for the following credential:**
  - SFMA Turfgrass Science Certification
- **Denial of the appeal of and uphold the decisions of the Credentials Review Committee for the following credential:**
  - World Association of Master Chefs Culinary Foundations
- **Denial of the appeal of and uphold the decisions of the Credentials Review Committee for the following credential:**
  - HBI PACT Residential Construction Principles

## **ATTACHMENTS**

### **Framework of Quality**

**Credential application for:**

- HBI Certificate Training (PACT), Plumbing
- Festo Introduction to Mechatronics
- Festo Fundamentals of Electricity - AC
- Festo Fundamentals of Electricity - Direct Current
- Festo Fundamentals of Mechanical Systems
- Festo Fundamentals of Fluid Power Hydraulics
- Festo Fundamentals of Fluid Power - Pneumatics
- Festo Fundamentals of PLCs - Allen Bradley
- Festo Fundamentals of PLC - Siemens
- SFMA Turfgrass Science Certification
- World Association of Master Chefs Culinary Foundations
- HBI PACT Residential Construction Principles

**Credential appeal application and appeal letter for:**

- HBI Certificate Training (PACT), Plumbing
- Festo Introduction to Mechatronics
- Festo Fundamentals of Electricity - AC
- Festo Fundamentals of Electricity - Direct Current
- Festo Fundamentals of Mechanical Systems
- Festo Fundamentals of Fluid Power Hydraulics
- Festo Fundamentals of Fluid Power - Pneumatics
- Festo Fundamentals of PLCs - Allen Bradley
- Festo Fundamentals of PLC - Siemens
- SFMA Turfgrass Science Certification
- World Association of Master Chefs Culinary Foundations
- HBI PACT Residential Construction Principles



# Information Items





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AP-000015

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Appeal ID	AP-000015	Status	Under Review
Reviewer		Name of Credential Denied:	Festo Fundamentals of PLCs- Allen Bradley
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000578	Credential Information Site (https://)	

#### Application Denial Reason

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#### Applicant

Are you the Original Submitter?	Yes	Applicant Phone	9046735985
Applicant	Emily Clevenger	Applicant Email	<a href="mailto:emily.clevenger@fscj.edu">emily.clevenger@fscj.edu</a>

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#### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	No
LMEC Area OF Concern	Yes	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

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#### Dates

Appeal Submitted Date	12/3/2025	Appeal Start Date	11/24/2025
14 Day Period	12/8/2025	Appeal Completion Date	

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#### Supporting Information

Upload Copy of Denial Letter	<input checked="" type="checkbox"/>	Appeal Narrative	Leads to Employment
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## MCLA - 000578

### Information

MCL Application ID	MCLA - 000578	Application Type	New Credential Application
Applicant	Emily Clevenger	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date	11/6/2025	CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	Yes
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	
Which type of submitter are you?	Florida College System	Choose the Florida College:	Florida State College at Jacksonville

### Credential Information

Name of the Credential	New Credential: Festo Fundamentals of PLCs- Allen Bradley	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master_3">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master_3</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	NC3	CIP Number (if applicable)	

Cred Agency Contact: First/Last Name	Craig Foucht	Provide the SOC code for the credential.	49-9041
Cred. Agency Contact: Phone Number	9192885148	Addressing wage through the following?	
Credentialing Agency Contact: Email	craig.foucht@nc3.net	Why is cred AG if not linked to AG SOC?	
Website link with info on Cred. Agency	<a href="https://www.nc3.net/">https://www.nc3.net/</a>	Agricultural SOC Code Cred is linked to?	

## Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	Yes	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	1,380	Local plan/policy number of job openings	30
Explain critical local/statewide need:	Occupation Industrial Machinery Mechanic is listed on the 25-26 State and regionals demand occupations list Soc 49-9041 as a high skill, high wage, job. Industrial Machinery Mechanics is also a targeted industry with an LMEC training code 4.	Describe credential's link to occupation	To work efficiently with a PLC, it's essential to be well-versed in the specific programming environment and languages. This certification is designed to meet that need. Students will gain hands-on experience with high-end products from Rockwell Automation/Allen Bradley, allowing them to work directly with industrial control equipment. Realistic examples are used to motivate students and help them develop the skills necessary to operate PLC-controlled systems, which are prevalent in our daily lives. As a Rockwell Encompass Partner, Festo provides training that is perfectly suited to this environment. This certification is derived from extensive industry based content to reflect the key topics and competencies building a foundation of PLC understanding. This knowledge prepares students to work in 49-9041 Industrial Machinery Mechanics Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https:	<a href="https://www.nc3.net/industry-partners/">https://www.nc3.net/industry-partners/</a> <a href="https://www.nc3.net/partner-festo/">https://www.nc3.net/partner-festo/</a>

## Sequencing Information

Credential sequence to high-level cred.?	No	Higher Level Credentialing Agency
Info on how Credential Sequences		Higher Level FDOE Certification Code
Name of the higher level credential		Higher-Level Credential SOC Code

## Endorser Information

Local Workforce Board Endorser	Marci Murphy	Education Institution Endorser	Jose Dotres
Economic Development Org Endorser	Anna Lebesch		

## CAPE Information

Submitting for CAPE funding eligibility?	No	Proctoring Website (include https://)	
Test developed/issued by 3rd party?	Yes	Select proctoring option(s) available:	The candidate and proctor are in the same physical location; A virtual proctor is required
Is 3rd party linked to regulatory body?		Describe the exam distribution process.	Campus Administrator creates a student account, student access the exam through the account on the LMS (NC3.com). The proctor begins the exam and ends the exam session. The LMS scores the exam. The proctor utilizes the user designated in the website support role as the assigned proctor to administer exams in accordance with Rule: 6A-6.0576.
Regulatory bodies oversee recognition?		How long can proctor access exam for?	Proctor does not have access to the exam.
Partnerships between institutions?		Exams proctored securely?	Yes
How cert. qualify as AG under 570.07, FS		Methods confirming candidate's identity	Authorized training providers must match testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..
Exam ADAAA Compliance publicly available	Yes	Processes identifying test irregularity:	Internal test question analysis runs for each test and reports any irregularity per percentage of students answering selected questions. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
		Procedures for invalidating scores:	Each campus administrator, proctor, and user must agree to the End User License Agreement (EULA) which outlines invalidation procedures.

Exam Website (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	How is the exam scored?	Automatically scores through NC3certs.com (Learning Management System).
How are candidates registered for exam?	Through training approved providers. *Methods confirming candidate's identity keeps disappearing: Authorized training providers must match testers identity through their policies. Candidate confirmation performed by educational partner with school issued email.. <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>	Are written exams scored by cert agency?	Yes
Exam registration process public?	Yes	Cert is obtainable without curriculum?	
Are exam details publicly available?	Yes		
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?	Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?	2
Does the credential expire?		New version of exam for each retake?	Yes
Are these required to earn credential?		Required waiting period between retakes?	Yes
Is success based on written/performance?		Waiting period between retakes?	Waiting period can be approved by authorized training partners. Students can be tested once a day and after 2 failed retakes, must wait at least 100 days to reattempt. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Is a certificate/badge issued on success		Testing time limit applies to all exams?	Yes

**Short Summary of the requirement.**

Skills and competencies assessed on exam	<p>Industry Recognized Certification Topics:</p> <ul style="list-style-type: none"> <li>– Control relays</li> <li>– Communication protocols</li> <li>– Programming techniques</li> <li>– HMI integration</li> <li>– Networks</li> <li>– Basic design and operation</li> <li>– PLC sections: input, logic and output</li> <li>– Input types: discrete, analog and digital</li> <li>– Memory types: ROM and RAM</li> <li>– Logic processing: addressing and scanning</li> <li>– Output types: discrete, analog and digital</li> <li>– Numbering systems: decimal, binary, octal, hex and ASCII</li> <li>– Boolean functions: identity, AND/OR/NOT</li> </ul>
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circuits

- Basic troubleshooting: using a PLC as a troubleshooting tool; Industry Recognized Certification
- Competencies: - Explain the operation and design of various relays
- State/explain the three PLC sections
- State/explain the three types of input devices
- State/explain the types of memory in a PLC
- Explain different types of PLC addressing
- State/explain the three types of output devices
- Convert different numbering systems used in a PLC
- Explain various boolean gates/truth tables
- Demonstrate how to use a PLC for troubleshooting to resolve problems quicker
- Understand and apply communication protocols
- Integrate and configure HMI's
- Understand PLC networks

**Skills/competencies assessed on cert:**

**Describe Cred's Link to Occupation (CAPE)**

**Select the approach of exam questions:** Questions are randomized and selected from a test bank

**Select the format(s) of credential exam:** Computer-based exam; Performance-based exam

**Can the exam be taken before graduation?** Yes

**Record Type** Not Eligible MCL Application **MCL Credential** CRED-005287

**Section** Submitter Information **Last Modified By** Elizabeth Glenn, 12/1/2025 1:29 PM

## Files

**MCL Application PDF - a1uPU000007PFUTYA4**

Last Modified **9/30/2025 7:25 PM**

Created By **Emily Clevenger**

**festo funda of plc bradley description**

Last Modified **9/30/2025 7:25 PM**

Created By **Emily Clevenger**

**onet festo industrial machinery mechanics**

Last Modified **9/30/2025 7:25 PM**

Created By **Emily Clevenger**

**festo articulation virginia credits**

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Created By **Emily Clevenger**

**Florida Employment Trends\_ 49-9041.00 - Industrial Machinery Mechanics**

Last Modified **9/30/2025 7:25 PM**

Created By **Emily Clevenger**

**careeronestop festo certification finder**

Last Modified **9/30/2025 7:25 PM**

Created By **Emily Clevenger**



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AP-000010

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Appeal ID	AP-000010	Status	Under Review
Reviewer	Elizabeth Glenn	Name of Credential Denied:	Festo Fundamentals of Electricity - AC
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000562	Credential Information Site (https://)	

#### Application Denial Reason

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#### Applicant

Are you the Original Submitter?	No	Applicant Phone	9046735985
Applicant	Emily Clevenger	Applicant Email	<a href="mailto:emily.clevenger@fscj.edu">emily.clevenger@fscj.edu</a>

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#### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	No
LMEC Area OF Concern	Yes	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

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#### Dates

Appeal Submitted Date	12/3/2025	Appeal Start Date	11/24/2025
14 Day Period	12/8/2025	Appeal Completion Date	

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#### Supporting Information

Upload Copy of Denial Letter	<input checked="" type="checkbox"/>	Appeal Narrative	Credential leads to employment.
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## MCLA - 000562

### Information

MCL Application ID	MCLA - 000562	Application Type	New Credential Application
Applicant	Emily Clevenger	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date	11/6/2025	CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	Yes
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	
Which type of submitter are you?	Florida College System	Choose the Florida College:	Florida State College at Jacksonville

### Credential Information

Name of the Credential	New Credential: Festo Fundamentals of Electricity - AC	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	NC3	CIP Number (if applicable)	
Cred Agency Contact: First/Last Name	Craig Foucht	Provide the SOC code for the credential.	49-2011

Cred. Agency Contact: Phone Number	9192885148	Addressing wage through the following?
Credentialing Agency Contact: Email	craig.foucht@nc3.net	Why is cred AG if not linked to AG SOC?
Website link with info on Cred. Agency	<a href="https://www.nc3net/">https://www.nc3net/</a>	Agricultural SOC Code Cred is linked to?

## Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	Yes	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	1,380	Local plan/policy number of job openings	30
Explain critical local/statewide need:	Occupation Industrial Machinery Mechanic is listed on the 25-26 State and regionals demand occupations list Soc 49-9041 as a high skill, high wage, job. Industrial Machinery Mechanics is also a targeted industry with an LMEC training code 4.	Describe credential's link to occupation	Reduce production downtime, boost efficiency, and enhance output through a comprehensive understanding of alternating current (AC) electricity and safe operational practices. These industry-recognized certifications are tailored to equip students with the vital knowledge and skills necessary for handling AC electricity safely and effectively. The practical lab components of the training enable students to construct, test, and troubleshoot AC circuits, utilizing various instruments to measure and calculate operating voltages and currents, ensuring optimal circuit functionality. This certification is derived from comprehensive content on the subject of industrial electricity. 49-9041 Industrial Machinery Mechanics Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https://)	<a href="https://www.nc3.net/industry-partners/">https://www.nc3.net/industry-partners/</a>

## Sequencing Information

Credential sequence to high-level cred.?	No	Higher Level Credentialing Agency
Info on how Credential Sequences		Higher Level FDOE Certification Code
Name of the higher level credential		Higher-Level Credential SOC Code

## Endorser Information

Local Workforce Board Endorser	Marci Murphy	Education Institution Endorser	Jose Dotres
Economic Development Org Endorser	Anna Lebesch		

## CAPE Information

Submitting for CAPE funding eligibility?	No	Proctoring Website (include https://)	
Test developed/issued by 3rd party?	Yes	Select proctoring option(s) available:	The candidate and proctor are in the same physical location; A virtual proctor is required
Is 3rd party linked to regulatory body?		Describe the exam distribution process.	Campus Administrator creates a student account, student access the exam through the account on the LMS (NC3.com). The proctor begins the exam and ends the exam session. The LMS scores the exam. The proctor utilizes the user designated in the website support role as the assigned proctor to administer exams in accordance with Rule: 6A-6.0576.
Regulatory bodies oversee recognition?		How long can proctor access exam for?	Proctor does not have access to the exam.
Partnerships between institutions?		Exams proctored securely?	Yes
How cert. qualify as AG under 570.07, FS		Methods confirming candidate's identity	Authorized training providers must match testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..
Exam ADAAC Compliance publicly available	Yes	Processes identifying test irregularity:	Internal test question analysis runs for each test and reports any irregularity per percentage of students answering selected questions. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Exam Number	Festo Fundamentals of Electricity - AC	Procedures for invalidating scores:	Each campus administrator, proctor, and user must agree to the End User License Agreement (EULA) which outlines invalidation procedures. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Exam Website (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	How is the exam scored?	Automatically scores through NC3certs.com (Learning Management System).
How are candidates registered for exam?	Through training approved providers. *Methods confirming candidate's identity keeps disappearing: Authorized training providers must match	Are written exams scored by cert agency?	Yes

testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..			
Exam registration process public?	Yes	Cert is obtainable without curriculum?	
Are exam details publicly available?	Yes		
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?	Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?	2
Does the credential expire?		New version of exam for each retake?	Yes
Are these required to earn credential?		Required waiting period between retakes?	Yes
Is success based on written/performance?		Waiting period between retakes?	Waiting period can be approved by authorized training partners. Students can be tested once a day and after 2 failed retakes, must wait at least 100 days to reattempt. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Is a certificate/badge issued on success		Testing time limit applies to all exams?	Yes
<b>Short Summary of the requirement.</b>			
Skills and competencies assessed on exam	<p>Industry Recognized Certification Topics</p> <ul style="list-style-type: none"> <li>-Safety</li> <li>-Basic concepts of electrical circuits</li> <li>-Ohm's and Kirchhoff's laws</li> <li>-Using measuring instruments (voltmeters, ammeters, ohmmeters, etc.)</li> <li>-Solving series and parallel circuits</li> <li>-Electromagnetism</li> <li>-Electrical distribution</li> <li>-Troubleshooting electrical circuits</li> <li>-Exploration of common electrical components such as power sources, resistors, inductors, capacitors, transformers, switches, relays and motors</li> <li>-Electricity Basics</li> <li>-Basics of AC Capacitors</li> <li>-Electrical Measurement Equipment</li> <li>-Basic Electrical Wiring</li> <li>-Basics of the Inductor, Transformers, Relays, Contactors, and Circuit Breakers</li> <li>-Basics of Electrical Panels</li> <li>-Basics of Fuses</li> <li>-Basics of Distribution</li> <li>-Network</li> <li>-Basics of Troubleshooting</li> </ul> <p>Industry Recognized Certification Competencies Level 1</p> <ul style="list-style-type: none"> <li>-Follow safety rules</li> <li>-Describe the history and fundamentals of electricity</li> <li>-Define and explain the working principles of an electrical circuit</li> <li>-Understand and apply the concepts of current, voltage, electrical power, and resistance</li> <li>-Interpret and read symbols and circuit diagrams</li> <li>-Design and build series and parallel</li> </ul>		

AC circuits using Kirchhoff's laws –Implement circuits for controlling indicator lights and motors using relays  
–Connect and troubleshoot circuits with capacitors, inductors, and transformers –Measure current, voltage, and resistance using an ammeter, voltmeter, and ohmmeter –Operate multimeters for comprehensive electrical measurements –Measure circuit parameters in AC circuits –Calculate reactance of series and parallel capacitors and inductors –Identify and connect electrical power sources and loads –Explore and apply electromagnetism and electromagnets –Explore applications and operations of AC capacitors, inductors, and transformers –Use capacitors to store electrical energy and explore RC circuits –Apply Ohm's law, power calculations, and voltage dividers in circuit design –Differentiate conductors and insulators  
–Explain AC voltage and current sine waves –Operate transformers, including step-up and step-down transformers –Explain the power network and distribution network –Understand and apply electrical panels –Operate circuit breakers and fuses –Implement and troubleshoot contactors and AC relays  
–Troubleshoot complex AC circuits using ohmmeters and voltmeters –Troubleshoot transformers and other AC components

**Skills/competencies assessed on cert:**

**Describe Cred's Link to Occupation (CAPE)**

**Select the approach of exam questions:**

Questions are randomized and selected from a test bank

**Select the format(s) of credential exam:**

Computer-based exam; Performance-based exam

**Can the exam be taken before graduation?**

Yes

**Record Type** Not Eligible MCL Application

**MCL Credential** CRED-005279

**Section** Submitter Information

**Last Modified By** Elizabeth Glenn, 12/1/2025 1:21 PM

## Files

**MCL Application PDF - a1uPU000007P38LYAS**

Last Modified **9/30/2025 4:20 PM**

Created By **Emily Clevenger**

**festo articulation**

Last Modified **9/30/2025 4:17 PM**

**festo articulation**

Last Modified **9/30/2025 4:18 PM**

Created By **Emily Clevenger**

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Last Modified **9/30/2025 4:10 PM**



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AP-000011

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Appeal ID	AP-000011	Status	Under Review
Reviewer		Name of Credential Denied:	Festo Fundamentals of Electricity—Direct Current (DC)
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000565	Credential Information Site (https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>

#### Application Denial Reason

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#### Applicant

Are you the Original Submitter?	Yes	Applicant	Emily Clevenger	Applicant Phone	9046735985
Applicant Title				Applicant Email	<a href="mailto:emily.clevenger@fscj.edu">emily.clevenger@fscj.edu</a>

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#### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	No
LMEC Area OF Concern	Yes	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

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#### Dates

Appeal Submitted Date	12/3/2025	Appeal Start Date	11/24/2025
14 Day Period	12/8/2025	Appeal Completion Date	

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#### Supporting Information



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## MCLA - 000565

### Information

MCL Application ID	MCLA - 000565	Application Type	New Credential Application
Applicant	Emily Clevenger	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date	11/6/2025	CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	Yes
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	
Which type of submitter are you?	Florida College System	Choose the Florida College:	Florida State College at Jacksonville

### Credential Information

Name of the Credential	New Credential: Festo Fundamentals of Electricity—Direct Current (DC)	Program Title (if applicable)	Soc codes disappear when leave page: Soc codes: 49-9041, 172112
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	NC3	CIP Number (if applicable)	

Cred Agency Contact: First/Last Name	Craig Foucht	Provide the SOC code for the credential.	49-9041
Cred. Agency Contact: Phone Number	9192885148	Addressing wage through the following?	
Credentialing Agency Contact: Email	craig.foucht@nc3.net	Why is cred AG if not linked to AG SOC?	
Website link with info on Cred. Agency	<a href="https://www.nc3.net/">https://www.nc3.net/</a>	Agricultural SOC Code Cred is linked to?	

## Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	Yes	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	1,380	Local plan/policy number of job openings	30
Explain critical local/statewide need:	Occupation Industrial Machinery Mechanic is listed on the 25-26 State and regionals demand occupations list Soc 49-9041 as a high skill, high wage, job. Industrial Machinery Mechanics is also a targeted industry with an LMEC training code 4.	Describe credential's link to occupation	This certification is derived from comprehensive content on the subject of industrial electricity. Decrease production downtime, improve efficiency, and increase output with a solid understanding of direct current (DC) electricity and safe working practices. These industry-recognized certifications are designed to provide students with the essential knowledge and skills to handle DC electricity safely and effectively. The hands-on lab components of the training allow students to build, test, and troubleshoot DC circuits, using various instruments to measure and calculate operating voltages and currents, ensuring optimal circuit performance.  49-9041 Industrial Machinery Mechanics Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans. This certification directly prepares student to work in the Industrial Machinery Mechanical field.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https://)	<a href="https://www.nc3.net/industry-partners/">https://www.nc3.net/industry-partners/</a>

## Sequencing Information

Credential sequence to high-level cred.?	No	Higher Level Credentialing Agency
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Info on how Credential Sequences		Higher Level FDOE Certification Code
Name of the higher level credential		Higher-Level Credential SOC Code
<b>Endorser Information</b>		
Local Workforce Board Endorser	Marci Murphy	Education Institution Endorser
Economic Development Org Endorser	Anna Lebesch	Jose Dotres
<b>CAPE Information</b>		
Submitting for CAPE funding eligibility?	No	Proctoring Website (include https://)
Test developed/issued by 3rd party?	Yes	Select proctoring option(s) available:
Is 3rd party linked to regulatory body?		Describe the exam distribution process.
Regulatory bodies oversee recognition?		How long can proctor access exam for?
Partnerships between institutions?		Exams proctored securely?
How cert. qualify as AG under 570.07, FS		Methods confirming candidate's identity
Exam ADAAA Compliance publicly available	Yes	Processes identifying test irregularity:
Exam Number	Festo Fundamentals of Electricity—Direct Current (DC)	
Procedures for invalidating scores:	Internal test question analysis runs for each test and reports any irregularity per percentage of students answering selected questions. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>	
	Each campus administrator, proctor, and user must agree to the End User License Agreement (EULA) which outlines invalidation procedures. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>	

Exam Website (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	How is the exam scored?	Automatically scores through NC3certs.com (Learning Management System).
How are candidates registered for exam?	Through training approved providers.	Are written exams scored by cert agency?	Yes
Exam registration process public?	Yes	Cert is obtainable without curriculum?	
Are exam details publicly available?	Yes		
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?	Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?	2
Does the credential expire?		New version of exam for each retake?	Yes
Are these required to earn credential?		Required waiting period between retakes?	Yes
Is success based on written/performance?		Waiting period between retakes?	A day and after 2 failed retakes, must wait at least 100 days to reattempt.
Is a certificate/badge issued on success		Testing time limit applies to all exams?	Yes

**Short Summary of the requirement.**

**Skills and competencies assessed on exam**

Industry Recognized Certification Topics:

- Safety
- Electrical Engineering History
- Electricity Basics
- Basic Electrical Wiring
- Ohm's Law
- Kirchhoff's Voltage and Current Laws
- Using Measuring Instruments (voltmeters, ammeters, ohmmeters, etc.)
- Solving Series and Parallel Circuits
- Basics of DC Capacitors
- Basics of DC Relays
- Basics of Electromagnetism
- Basics of Magnetism
- Basics of the DC Motor
- Basics of the Solenoid
- Electrical Components (power sources, resistors, inductors, capacitors, transformers, switches, relays, motors)
- Electrical Measurement Equipment
- Electrical Resistance
- Troubleshooting Electrical Circuits

Industry Recognized Certification Competencies:

- Follow safety rules
- Describe the history and fundamentals of electricity
- Define and explain the working principles of an electrical circuit
- Interpret and read symbols and circuit diagrams
- Identify and connect different types of electrical power sources and loads
- Understand and apply the concepts of current, voltage, electrical power, and resistance
- Connect and troubleshoot various DC power circuits with different

switches and loads –Design and build series and parallel circuits, and calculate equivalent resistance using Kirchhoff's laws –Implement circuits with specific applications, such as car horn, interior lights, three-way switch, and car fan, light, and horn –Control indicator lights and motors using relays –Explore and apply electromagnetism and electromagnets –Measure current, voltage, and resistance using an ammeter, voltmeter, and ohmmeter –Introduce and operate multimeters for comprehensive electrical measurements –Charge, discharge, and measure capacitors in various configurations –Explore applications and operations of DC capacitors and relays –Understand and connect circuits containing solenoids and DC motors –Differentiate and configure different types of switches –Identify and troubleshoot short circuits, open circuits, and continuity issues –Use capacitors to store electrical energy and explore resistor-capacitor (RC) circuits –Apply Ohm's law, power calculations, and voltage dividers in circuit design –Explore and differentiate conductors and insulators

**Skills/competencies assessed on cert:**

Describe Cred's Link to Occupation (CAPE)			
Select the approach of exam questions:	Questions are randomized and selected from a test bank		
Select the format(s) of credential exam:	Computer-based exam; Performance-based exam		
Can the exam be taken before graduation?	Yes		
Record Type	Not Eligible MCL Application	MCL Credential	CRED-005277
Section	Submitter Information	Last Modified By	Elizabeth Glenn, 12/1/2025 1:23 PM

**Files**

**MCL Application PDF - a1uPU000007P5OfYAK**

Last Modified **9/30/2025 3:56 PM**

Created By **Emily Clevenger**

**onet festo industrial machinery mechanics**

Last Modified **9/30/2025 3:56 PM**

Created By **Emily Clevenger**

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**Florida Employment Trends\_ 49-9041.00 - Industrial Machinery Mechanics**

Last Modified **9/30/2025 3:56 PM**

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AP-000013

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Appeal ID	AP-000013	Status	Under Review
Reviewer		Name of Credential Denied:	Festo Fundamentals of Fluid Power Hydraulics
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000575	Credential Information Site (https://)	

#### Application Denial Reason

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#### Applicant

Are you the Original Submitter?	Yes	Applicant Phone	9046735985
Applicant	Emily Clevenger	Applicant Email	<a href="mailto:emily.clevenger@fscj.edu">emily.clevenger@fscj.edu</a>

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#### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	No
LMEC Area OF Concern	Yes	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

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#### Dates

Appeal Submitted Date	12/3/2025	Appeal Start Date	11/24/2025
14 Day Period	12/8/2025	Appeal Completion Date	

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#### Supporting Information

Upload Copy of Denial Letter	<input checked="" type="checkbox"/>	Appeal Narrative	Leads to employment
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## MCLA - 000575

### Information

MCL Application ID	MCLA - 000575	Application Type	New Credential Application
Applicant	Emily Clevenger	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date	11/6/2025	CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	Yes
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	
Which type of submitter are you?	Florida College System	Choose the Florida College:	Florida State College at Jacksonville

### Credential Information

Name of the Credential	New Credential: Festo Fundamentals of Fluid Power Hydraulics	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	NC3	CIP Number (if applicable)	

Cred Agency Contact: First/Last Name	Craig Foucht	Provide the SOC code for the credential.	49-9041
Cred. Agency Contact: Phone Number	9192885148	Addressing wage through the following?	
Credentialing Agency Contact: Email	craig.foucht@nc3.net	Why is cred AG if not linked to AG SOC?	
Website link with info on Cred. Agency	<a href="https://www.nc3.net/">https://www.nc3.net/</a>	Agricultural SOC Code Cred is linked to?	

## Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	Yes	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	1,380	Local plan/policy number of job openings	30
Explain critical local/statewide need:	Occupation Industrial Machinery Mechanic is listed on the 25-26 State and regionals demand occupations list Soc 49-9041 as a high skill, high wage, job. Industrial Machinery Mechanics is also a targeted industry with an LMEC training code 4.	Describe credential's link to occupation	This hydraulic training certification equips students with comprehensive knowledge of hydraulic components' construction and operation. By examining a wide range of hydraulic equipment, the certification delves into fundamental hydraulic principles and the specifics of individual components. It covers key elements such as valves that control pressure, flow rate, sequence, and direction. Through practical exercises and standard symbol circuits, students gain hands-on experience in operating these valves. Additionally, the certification emphasizes maintenance practices and a systematic approach to fault finding, ensuring students are prepared for real-world applications. This certification prepares students to work as a 49-9041 Industrial Machinery Mechanics Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https:	<a href="https://www.nc3.net/industry-partners/">https://www.nc3.net/industry-partners/</a> <a href="https://www.nc3.net/partner-festo/">https://www.nc3.net/partner-festo/</a>

## Sequencing Information

Credential sequence to high-level cred.?	No	Higher Level Credentialing Agency
Info on how Credential Sequences		Higher Level FDOE Certification Code

Name of the higher level credential	Higher-Level Credential SOC Code
<b>Endorser Information</b>	
Local Workforce Board Endorser	Marci Murphy
Education Institution Endorser	Jose Dotres
Economic Development Org Endorser	Anna Lebesch
<b>CAPE Information</b>	
Submitting for CAPE funding eligibility?	No
Proctoring Website (include https://)	
Test developed/issued by 3rd party?	Yes
Select proctoring option(s) available:	The candidate and proctor are in the same physical location; A virtual proctor is required
Is 3rd party linked to regulatory body?	
Describe the exam distribution process.	Campus Administrator creates a student account, student access the exam through the account on the LMS (NC3.com). The proctor begins the exam and ends the exam session. The LMS scores the exam. The proctor utilizes the user designated in the website support role as the assigned proctor to administer exams in accordance with Rule: 6A-6.0576.
Regulatory bodies oversee recognition?	
How long can proctor access exam for?	Proctor does not have access to the exam.
Partnerships between institutions?	
Exams proctored securely?	Yes
How cert. qualify as AG under 570.07, FS	
Methods confirming candidate's identity	Authorized training providers must match testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..
Exam ADAAA Compliance publicly available	Yes
Processes identifying test irregularity:	Internal test question analysis runs for each test and reports any irregularity per percentage of students answering selected questions. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Exam Number	Festo Fundamentals of Fluid Power- Hydraulics
Procedures for invalidating scores:	Each campus administrator, proctor, and user must agree to the End User License Agreement (EULA) which outlines invalidation procedures. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Exam Website (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>
How is the exam scored?	Automatically scores through NC3certs.com (Learning Management System).

How are candidates registered for exam?	Through training approved providers. *Methods confirming candidate's identity keeps disappearing: Authorized training providers must match testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..	Are written exams scored by cert agency?	Yes
Exam registration process public?	Yes	Cert is obtainable without curriculum?	
Are exam details publicly available?	Yes		
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?	Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?	2
Does the credential expire?		New version of exam for each retake?	Yes
Are these required to earn credential?		Required waiting period between retakes?	Yes
Is success based on written/performance?		Waiting period between retakes?	Waiting period can be approved by authorized training partners. Students can be tested once a day and after 2 failed retakes, must wait at least 100 days to reattempt. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Is a certificate/badge issued on success		Testing time limit applies to all exams?	Yes
Short Summary of the requirement.			
Skills and competencies assessed on exam	Industry Recognized Certification Topics: – Equipment and circuit diagram symbols, reading and interpreting basic hydraulic circuit diagrams – Physical principles of hydraulics – Structure and mode of operation of basic components – Measure volumetric flow and pressure – Technology and characteristic data of valves and drive elements – Intensive training for industrial practice: setting up systems in accordance with circuit diagrams, commissioning systems – Fundamentals of proportional hydraulics; Industry Recognized Certification Competencies: – Design, assemble, test, and troubleshoot basic hydraulic circuits – Identify and describe the construction, design features, and operation of hydraulic components – Interpret technical specifications and data relating to hydraulic components and systems – Identify and explain graphical symbols for hydraulic components – Describe fundamentals of oil flow		

Skills/competencies assessed on cert:

Describe Cred's Link to Occupation (CAPE)			
Select the approach of exam questions:	Questions are randomized and selected from a test bank		
Select the format(s) of credential exam:	Computer-based exam; Performance-based exam		
Can the exam be taken before graduation?	Yes		
Record Type	Not Eligible MCL Application	MCL Credential	CRED-005284
Section	Submitter Information	Last Modified By	Rebecca Beers, 12/3/2025 2:05 PM

## Files

[MCL Application PDF - a1uPU000007PERxYAO](#)

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[festo articulation virginia credits](#)

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AP-000017

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Appeal ID	AP-000017	Status	Under Review
Reviewer		Name of Credential Denied:	Festo Fundamentals of Fluid Power- Pneumatics <a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/</a>
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000577	Credential Information Site (https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/</a>
Application Denial Reason	Does Not Meet Credential of Value Criteria		

#### Applicant

Are you the Original Submitter?	Yes	Applicant	Emily Clevenger	Applicant Phone	9046735985
Applicant Title				Applicant Email	<a href="mailto:emily.clevenger@fscj.edu">emily.clevenger@fscj.edu</a>

#### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	No
LMEC Area OF Concern	Yes	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

#### Dates

Appeal Submitted Date	12/3/2025	Appeal Start Date	11/24/2025
14 Day Period	12/8/2025	Appeal Completion Date	

#### Supporting Information



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## MCLA - 000577

### Information

MCL Application ID	MCLA - 000577	Application Type	New Credential Application
Applicant	Emily Clevenger	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date	11/6/2025	CareerSource Team Recommended	No
Denial Reason	Does Not Meet Credential of Value Criteria	DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	Yes
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	
Which type of submitter are you?	Florida College System	Choose the Florida College:	Florida State College at Jacksonville

### Credential Information

Name of the Credential	New Credential: Festo Fundamentals of Fluid Power-Pneumatics	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	NC3	CIP Number (if applicable)	

Cred Agency Contact: First/Last Name	Craig Foucht	Provide the SOC code for the credential.	49-9041
Cred. Agency Contact: Phone Number	9192885148	Addressing wage through the following?	
Credentialing Agency Contact: Email	craig.foucht@nc3.net	Why is cred AG if not linked to AG SOC?	
Website link with info on Cred. Agency	<a href="https://www.nc3.net/">https://www.nc3.net/</a>	Agricultural SOC Code Cred is linked to?	

## Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	Yes	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	1,380	Local plan/policy number of job openings	30
Explain critical local/statewide need:	Occupation Industrial Machinery Mechanic is listed on the 25-26 State and regionals demand occupations list Soc 49-9041 as a high skill, high wage, job. Industrial Machinery Mechanics is also a targeted industry with an LMEC training code 4.	Describe credential's link to occupation	This pneumatic training certification covers the use of compressed air for control and signaling. It provides a comprehensive overview of compressors, storage, dryers, distribution, and the design, construction, and operation of various actuators, valves, and ancillary equipment. Relevant ISO symbols are introduced and included in circuit diagrams. This certification ensures competence in the safe operation and maintenance of one of the most common automation elements in industry. This certification prepares students to work in the industry as a 49-9041 Industrial Machinery Mechanics Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https://)	<a href="https://www.nc3.net/industry-partners/">https://www.nc3.net/industry-partners/</a> <a href="https://www.nc3.net/partner-festo/">https://www.nc3.net/partner-festo/</a>

## Sequencing Information

Credential sequence to high-level cred.?	No	Higher Level Credentialing Agency
Info on how Credential Sequences		Higher Level FDOE Certification Code
Name of the higher level credential		Higher-Level Credential SOC Code

## Endorser Information

Local Workforce Board Endorser	Marci Murphy	Education Institution Endorser	Jose Dotres
Economic Development Org Endorser	Anna Lebesch		

## CAPE Information

Submitting for CAPE funding eligibility?	No	Proctoring Website (include https://)	
Test developed/issued by 3rd party?	Yes	Select proctoring option(s) available:	The candidate and proctor are in the same physical location; A virtual proctor is required
Is 3rd party linked to regulatory body?		Describe the exam distribution process.	Campus Administrator creates a student account, student access the exam through the account on the LMS (NC3.com). The proctor begins the exam and ends the exam session. The LMS scores the exam. The proctor utilizes the user designated in the website support role as the assigned proctor to administer exams in accordance with Rule: 6A-6.0576.
Regulatory bodies oversee recognition?		How long can proctor access exam for?	Proctor does not have access to the exam.
Partnerships between institutions?		Exams proctored securely?	Yes
How cert. qualify as AG under 570.07, FS		Methods confirming candidate's identity	Authorized training providers must match testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..
Exam ADAAC Compliance publicly available	Yes	Processes identifying test irregularity:	Internal test question analysis runs for each test and reports any irregularity per percentage of students answering selected questions. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Exam Number	Festo Fundamentals of Fluid Power-Pneumatics	Procedures for invalidating scores:	Each campus administrator, proctor, and user must agree to the End User License Agreement (EULA) which outlines invalidation procedures. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Exam Website (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	How is the exam scored?	Automatically scores through NC3certs.com (Learning Management System).
How are candidates registered for exam?	Through training approved providers. *Methods confirming candidate's identity keeps disappearing: Authorized training providers must match	Are written exams scored by cert agency?	Yes

<p>testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..</p>			
Exam registration process public?	Yes	Cert is obtainable without curriculum?	
Are exam details publicly available?	Yes		
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?	Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?	2
Does the credential expire?		New version of exam for each retake?	Yes
Are these required to earn credential?		Required waiting period between retakes?	Yes
Is success based on written/performance?		Waiting period between retakes?	Waiting period can be approved by authorized training partners. Students can be tested once a day and after 2 failed retakes, must wait at least 100 days to reattempt. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Is a certificate/badge issued on success		Testing time limit applies to all exams?	Yes
<p><b>Short Summary of the requirement.</b></p>			
Skills and competencies assessed on exam	<p>Industry Recognized Certification Topics: – Safety practices for working with pneumatic systems – Basis design principles for creating pneumatic systems – Pascal and Boyle's Laws – Structure, function and application of single-acting and double-acting cylinders – Calculating basic parameters – Direct and indirect actuation – Application and function of 3/2 and 5/2-way valves – Methods of actuation of directional control valves – Analyzing circuits – Options for pressure measurement – Pressure-dependent control systems – Distinguishing flow control – Logic operations: explaining and implementing AND/OR/NOT operations – Function and application of limit switches – Time delay valves – Realizing oscillating movement – Economic considerations of using pneumatic components; Industry Recognized Certification Competencies: – Demonstrate safety standards and best practices adhering to safety protocols in pneumatic systems – Interpret and draw pneumatic symbols – Identify components of a pneumatic system – Utilize circuit simulation software to design, test and optimize circuits – Understand the principles and applications of vacuum systems – Construct and</p>		

troubleshoot pneumatic circuits – Understand the practical application of Pascal and Boyles law – Explain and understand conditioning and distribution of air – Determine root cause of component failure – Make speed adjustments to actuators – Explain the force/pressure/area relationship – Describe the different states an actuator can assume and the importance of each – Utilize simulation software to demonstrate basic diagnostic principles – Identify/explain function of pneumatic components

**Skills/competencies assessed on cert:**

Describe Cred's Link to Occupation (CAPE)			
Select the approach of exam questions:	Questions are randomized and selected from a test bank		
Select the format(s) of credential exam:	Computer-based exam; Performance-based exam		
Can the exam be taken before graduation?	Yes		
Record Type	Not Eligible MCL Application	MCL Credential	CRED-005285
Section	Submitter Information	Last Modified By	Elizabeth Glenn, 12/5/2025 9:17 AM

**Files**

**MCL Application PDF - a1uPU000007PF4fYAG**

Last Modified **9/30/2025 5:10 PM**

Created By **Emily Clevenger**

**festo funda fluid power pneu competencies**

Last Modified **9/30/2025 5:10 PM**

Created By **Emily Clevenger**

**onet festo industrial machinery mechanics**

Last Modified **9/30/2025 5:10 PM**

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**careeronestop festo certification finder**

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Created By **Emily Clevenger**

**feso educational letter miami dade superintendent**

Last Modified **9/30/2025 5:09 PM**

**festo articulation virginia credits**

Last Modified **9/30/2025 5:10 PM**

Created By **Emily Clevenger**

**Florida Employment Trends\_ 49-9041.00 - Industrial Machinery Mechanics**

Last Modified **9/30/2025 5:10 PM**

Created By **Emily Clevenger**

**careeronestop festo fund of fluid power pneumatic hydraulics**

Last Modified **9/30/2025 5:10 PM**

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Created By **Emily Clevenger**

**festo brevard careersource letter**

Last Modified **9/30/2025 5:08 PM**



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AP-000012

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Appeal ID	AP-000012	Status	Under Review
Reviewer		Name of Credential Denied:	Festo Fundamentals of Mechanical Systems
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000573	Credential Information Site (https://)	

#### Application Denial Reason

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#### Applicant

Are you the Original Submitter?	Yes	Applicant Phone	9046735985
Applicant	Emily Clevenger	Applicant Email	<a href="mailto:emily.clevenger@fscj.edu">emily.clevenger@fscj.edu</a>

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#### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	No
LMEC Area OF Concern	Yes	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

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#### Dates

Appeal Submitted Date	12/3/2025	Appeal Start Date	11/24/2025
14 Day Period	12/8/2025	Appeal Completion Date	

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#### Supporting Information

Upload Copy of Denial Letter	<input checked="" type="checkbox"/>	Appeal Narrative	Leads to employment,
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## MCLA - 000573

### Information

MCL Application ID	MCLA - 000573	Application Type	New Credential Application
Applicant	Emily Clevenger	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date	11/6/2025	CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	
		FloridaCommerce Partner Recommended	Yes
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	
Which type of submitter are you?	Florida College System	Choose the Florida College:	Florida State College at Jacksonville

### Credential Information

Name of the Credential	New Credential: Festo Fundamentals of Mechanical Systems	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	NC3	CIP Number (if applicable)	

Cred Agency Contact: First/Last Name	Craig Foucht	Provide the SOC code for the credential.	49-9041
Cred. Agency Contact: Phone Number	9192885148	Addressing wage through the following?	
Credentialing Agency Contact: Email	craig.foucht@nc3.net	Why is cred AG if not linked to AG SOC?	
Website link with info on Cred. Agency	<a href="https://www.nc3.net/">https://www.nc3.net/</a>	Agricultural SOC Code Cred is linked to?	

## Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	Yes	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	1,380	Local plan/policy number of job openings	30
Explain critical local/statewide need:	Occupation Industrial Machinery Mechanic is listed on the 25-26 State and regionals demand occupations list Soc 49-9041 as a high skill, high wage, job. Industrial Machinery Mechanics is also a targeted industry with an LMEC training code 4.	Describe credential's link to occupation	Mechanical systems are the driving force behind most industrial applications, with gears, drives, bearings, pulleys, and more found in nearly everything that moves. The Mechanical Systems certification covers the installation, use, maintenance, and troubleshooting of mechanical drive components and systems. The curriculum is organized into topics focused on industry-relevant components, emphasizing practical, hands-on tasks to develop expertise in operating and maintaining these essential systems. This knowledge prepares a student for work as a 49-9041 Industrial Machinery Mechanics Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https://)	<a href="https://www.nc3.net/industry-partners/">https://www.nc3.net/industry-partners/</a> <a href="https://www.nc3.net/industry-partners/">https://www.nc3.net/industry-partners/</a>

## Sequencing Information

Credential sequence to high-level cred.?	No	Higher Level Credentialing Agency
Info on how Credential Sequences		Higher Level FDOE Certification Code
Name of the higher level credential		Higher-Level Credential SOC Code

## Endorser Information

Local Workforce Board Endorser	Marci Murphy	Education Institution Endorser	Jose Dotres
Economic Development Org Endorser	Anna Lebesch		

## CAPE Information

Submitting for CAPE funding eligibility?	No	Proctoring Website (include https://)	
Test developed/issued by 3rd party?	Yes	Select proctoring option(s) available:	The candidate and proctor are in the same physical location; A virtual proctor is required
Is 3rd party linked to regulatory body?		Describe the exam distribution process.	Campus Administrator creates a student account, student access the exam through the account on the LMS (NC3.com). The proctor begins the exam and ends the exam session. The LMS scores the exam. The proctor utilizes the user designated in the website support role as the assigned proctor to administer exams in accordance with Rule: 6A-6.0576.
Regulatory bodies oversee recognition?		How long can proctor access exam for?	Proctor does not have access to the exam.
Partnerships between institutions?		Exams proctored securely?	Yes
How cert. qualify as AG under 570.07, FS		Methods confirming candidate's identity	Authorized training providers must match testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..
Exam ADAAC Compliance publicly available	Yes	Processes identifying test irregularity:	Internal test question analysis runs for each test and reports any irregularity per percentage of students answering selected questions. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Exam Number	Festo Fundamentals of Mechanical Systems	Procedures for invalidating scores:	Each campus administrator, proctor, and user must agree to the End User License Agreement (EULA) which outlines invalidation procedures. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Exam Website (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	How is the exam scored?	Automatically scores through NC3certs.com (Learning Management System).
How are candidates registered for exam?	Through training approved providers. *Methods confirming candidate's identity keeps disappearing: Authorized training providers must match	Are written exams scored by cert agency?	Yes

<p>testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..</p>			
Exam registration process public?	Yes	Cert is obtainable without curriculum?	
Are exam details publicly available?	Yes		
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?	Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?	2
Does the credential expire?		New version of exam for each retake?	Yes
Are these required to earn credential?		Required waiting period between retakes?	Yes
Is success based on written/performance?		Waiting period between retakes?	Waiting period can be approved by authorized training partners. Students can be tested once a day and after 2 failed retakes, must wait at least 100 days to reattempt. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Is a certificate/badge issued on success		Testing time limit applies to all exams?	Yes
<b>Short Summary of the requirement.</b>			
Skills and competencies assessed on exam	<p>Industry Recognized Certification Topics: Safety protocols and risk management strategies – Mechanical system design principles – Mechanical properties of materials – Introduction to mechanical drive systems – Belt, chains, and gear drives – Couplings and shaft alignment – Bearings and linear bearings – Gaskets, seals, ball screws, clutches, and brakes – Laser alignment, lubrication, and vibration analysis</p> <p>Industry Recognized Certification Competencies: Machine safety – Identification of the components of a mechanical system, including: belt drives, chain drives, gear drives, &amp; couplings – Important calculations: speed, torque, force and system efficiency – Mechanical drawing – Motors, keys, and soft foot alignment – Belt drives, chain drives, alignment and couplings, lubrication – Gear drives, bearings, gaskets and seals – Understand and demonstrate techniques for diagnosing and solving vibration issues – Describe strategies for maintaining system reliability and longevity – Understand environmental consideration and mitigation strategies – Clutches and brakes, ball screw and linear bearings</p>		

Skills/competencies assessed on cert:

Describe Cred's Link to Occupation (CAPE)	Questions are randomized and selected from a test bank		
Select the approach of exam questions:	Computer-based exam; Performance-based exam		
Can the exam be taken before graduation?	Yes		
Record Type	Not Eligible MCL Application	MCL Credential	CRED-005281
Section	Submitter Information	Last Modified By	Elizabeth Glenn, 12/1/2025 1:27 PM

## Files

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Last Modified [9/30/2025 4:41 PM](#)

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[Florida Employment Trends\\_ 49-9041.00 - Industrial Machinery Mechanics](#)

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AP-000016

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Appeal ID	AP-000016	Status	Under Review
Reviewer		Name of Credential Denied:	Festo Fundamentals of PLC-Siemens
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000580	Credential Information Site (https://)	

#### Application Denial Reason

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#### Applicant

Are you the Original Submitter?	Yes	Applicant Phone	9046735985
Applicant	Emily Clevenger	Applicant Email	<a href="mailto:emily.clevenger@fscj.edu">emily.clevenger@fscj.edu</a>

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#### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	No
LMEC Area OF Concern	Yes	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

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#### Dates

Appeal Submitted Date	12/3/2025	Appeal Start Date	11/24/2025
14 Day Period	12/8/2025	Appeal Completion Date	

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#### Supporting Information

Upload Copy of Denial Letter	<input checked="" type="checkbox"/>	Appeal Narrative	Leads to employment.
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## MCLA - 000580

### Information

MCL Application ID	MCLA - 000580	Application Type	New Credential Application
Applicant	Emily Clevenger	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date	11/6/2025	CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	Yes
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	
Which type of submitter are you?	Florida College System	Choose the Florida College:	Florida State College at Jacksonville

### Credential Information

Name of the Credential	New Credential: Festo Fundamentals of PLC-Siemens	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	NC3	CIP Number (if applicable)	
Cred Agency Contact: First/Last Name	Craig Foucht	Provide the SOC code for the credential.	49-9041

Cred. Agency Contact: Phone Number	9192885148	Addressing wage through the following?
Credentialing Agency Contact: Email	craig.foucht@nc3.net	Why is cred AG if not linked to AG SOC?
Website link with info on Cred. Agency	<a href="https://www.nc3.net/">https://www.nc3.net/</a>	Agricultural SOC Code Cred is linked to?

## Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	Yes	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	1,380	Local plan/policy number of job openings	30
Explain critical local/statewide need:	Occupation Industrial Machinery Mechanic is listed on the 25-26 State and regionals demand occupations list Soc 49-9041 as a high skill, high wage, job. Industrial Machinery Mechanics is also a targeted industry with an LMEC training code 4.	Describe credential's link to occupation	To work efficiently with a PLC, it's essential to be well-versed in the specific programming environment and languages. This certification is designed to meet that need. Students will gain hands-on experience with high-end products from Siemens, allowing them to work directly with industrial control equipment. Realistic examples are used to motivate students and help them develop the skills necessary to operate PLC-controlled systems, which are prevalent in our daily lives. This certification is derived from extensive industry based content to reflect the key topics and competencies building a foundation of PLC understanding. This knowledge prepares students in the job of 49-9041 Industrial Machinery Mechanics Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https:	<a href="https://www.nc3.net/industry-partners/">https://www.nc3.net/industry-partners/</a> <a href="https://www.nc3.net/partner-festo/">https://www.nc3.net/partner-festo/</a>

## Sequencing Information

Credential sequence to high-level cred.?	No	Higher Level Credentialing Agency
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Info on how Credential Sequences		Higher Level FDOE Certification Code
Name of the higher level credential		Higher-Level Credential SOC Code
<b>Endorser Information</b>		
Local Workforce Board Endorser	Marci Murphy	Education Institution Endorser
Economic Development Org Endorser	Anna Lebesch	Jose Dotres
<b>CAPE Information</b>		
Submitting for CAPE funding eligibility?	No	Proctoring Website (include https://)
Test developed/issued by 3rd party?	Yes	Select proctoring option(s) available:
Is 3rd party linked to regulatory body?		Describe the exam distribution process.
Regulatory bodies oversee recognition?		How long can proctor access exam for?
Partnerships between institutions?		Exams proctored securely?
How cert. qualify as AG under 570.07, FS		Methods confirming candidate's identity
Exam ADAAA Compliance publicly available	Yes	Processes identifying test irregularity:
Exam Number	Festo Fundamentals of PLC- Siemens	Procedures for invalidating scores:

Exam Website (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	How is the exam scored?	Automatically scores through NC3certs.com (Learning Management System).
How are candidates registered for exam?	Through training approved providers. *Methods confirming candidate's identity keeps disappearing: Authorized training providers must match testers identity through their policies. Candidate confirmation performed by educational partner with school issued email..	Are written exams scored by cert agency?	Yes
Exam registration process public?	Yes	Cert is obtainable without curriculum?	
Are exam details publicly available?	Yes		
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?	Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?	2
Does the credential expire?		New version of exam for each retake?	Yes
Are these required to earn credential?		Required waiting period between retakes?	Yes
Is success based on written/performance?		Waiting period between retakes?	Waiting period can be approved by authorized training partners. Students can be tested once a day and after 2 failed retakes, must wait at least 100 days to reattempt. Also see <a href="http://www.nc3certs.com/help">www.nc3certs.com/help</a>
Is a certificate/badge issued on success		Testing time limit applies to all exams?	Yes
Short Summary of the requirement.			
Skills and competencies assessed on exam	Industry recognized certification topics: <ul style="list-style-type: none"> <li>- Control relays</li> <li>- Communication Protocols</li> <li>- Programming techniques</li> <li>- HMI Integration</li> <li>- Networks</li> <li>- Basic design and operation</li> <li>- PLC sections: input, logic and output</li> <li>- Input types: discrete, analog and digital</li> <li>- Memory types: ROM and RAM</li> <li>- Logic processing: addressing and scanning</li> <li>- Output types: discrete, analog and digital</li> <li>- Numbering systems: decimal, binary, octal, hex and ASCII</li> <li>- Boolean functions: identity, AND/OR/NOT circuits</li> <li>- Basic troubleshooting: using a PLC as a</li> </ul>		

troubleshooting tool; Industry recognized certification competencies:

- Explain the operation and design of various relays
- State/explain the three PLC sections
- State/explain the three types of input devices
- State/explain the types of memory in a PLC
- Explain different types of PLC addressing
- State/explain the three types of output devices
- Convert different numbering systems used in a PLC
- Explain various Boolean gates/truth tables
- Demonstrate how to use a PLC for troubleshooting to resolve problems quicker
- Understand and apply communication protocols
- Integrate and configure HMI's
- Understand PLC Networks

Skills/competencies assessed on cert:

Describe Cred's Link to Occupation (CAPE)

Select the approach of exam questions:

Select the format(s) of credential exam:

Can the exam be taken before graduation?

Record Type

MCL Credential

CRED-005288

Section

Last Modified By

Elizabeth Glenn, 12/1/2025 1:30 PM

## Files

[MCL Application PDF - a1uPU000007PlaPYAW](#)

Last Modified **9/30/2025 7:42 PM**

Created By **Emily Clevenger**

[careeronestop festo fund of plcs siemens](#)

Last Modified **9/30/2025 7:42 PM**

Created By **Emily Clevenger**

[festo funda of plc siemens description](#)

Last Modified **9/30/2025 7:42 PM**

Created By **Emily Clevenger**

[careeronestop festo certification finder](#)

Last Modified **9/30/2025 7:42 PM**

Created By **Emily Clevenger**

[festo articulation virginia credits](#)

Last Modified **9/30/2025 7:42 PM**

Created By **Emily Clevenger**

[Florida Employment Trends\\_ 49-9041.00 - Industrial Machinery Mechanics](#)

Last Modified **9/30/2025 7:42 PM**

Created By **Emily Clevenger**



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AP-000009

---

Appeal ID	AP-000009	Status	Under Review
Reviewer		Name of Credential Denied:	Festo Introduction to Mechatronics
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000559	Credential Information Site (https://)	

#### Application Denial Reason

---

#### Applicant

Are you the Original Submitter?	Yes	Applicant Phone	9046735985
Applicant	Emily Clevenger	Applicant Email	<a href="mailto:emily.clevenger@fscj.edu">emily.clevenger@fscj.edu</a>

---

#### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	No
LMEC Area OF Concern	Yes	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

---

#### Dates

Appeal Submitted Date	12/3/2025	Appeal Start Date	11/24/2025
14 Day Period	12/8/2025	Appeal Completion Date	

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#### Supporting Information

Upload Copy of Denial Letter	<input checked="" type="checkbox"/>	Appeal Narrative	Credential leads to employment.
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## MCLA - 000559

### Information

MCL Application ID	MCLA - 000559	Application Type	New Credential Application
Applicant	Emily Clevenger	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date	11/6/2025	CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	Yes
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	
Which type of submitter are you?	Florida College System	Choose the Florida College:	Florida State College at Jacksonville

### Credential Information

Name of the Credential	New Credential: Festo Introduction to Mechatronics	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	NC3 <a href="https://www.nc3.net/">https://www.nc3.net/</a>	CIP Number (if applicable)	
Cred Agency Contact: First/Last Name	Craig Foucht	Provide the SOC code for the credential.	49-9041

Cred. Agency Contact: Phone Number	9192885148	Addressing wage through the following?
Credentialing Agency Contact: Email	craig.foucht@nc3.net	Why is cred AG if not linked to AG SOC?
Website link with info on Cred. Agency	<a href="https://www.nc3.net/">https://www.nc3.net/</a>	Agricultural SOC Code Cred is linked to?

### Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	Yes	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	1,380	Local plan/policy number of job openings	30
Explain critical local/statewide need:	Occupation Industrial Machinery Mechanic is listed on the 25-26 State and regionals demand occupations list Soc 49-9041 as a high skill, high wage, job. Industrial Machinery Mechanics is also a targeted industry with an LMEC training code 4.	Describe credential's link to occupation	This certification in Mechatronics serves as an introduction, providing foundational knowledge and hands-on skills in mechanical, electrical, and control technology. Students will gain competencies in operating and maintaining pneumatics, electrical systems, sensors, actuators, and controls. By working with real-world automation devices, students will also enhance their STEM (Science, Technology, Engineering, and Math) skills. These core automation, production, and manufacturing skills are in high demand. Upon earning the certification, students will be prepared for advanced Mechatronics and Industry 4.0 training, as well as for roles such as certified production technicians and operators. The certification is derived from extensive industry-based curriculum. 49-9041 Industrial Machinery Mechanics- Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans. 49-9041 Industrial Machinery Mechanics Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https://)	<a href="https://www.nc3.net/industry-partners/">https://www.nc3.net/industry-partners/</a>

### Sequencing Information

Credential sequence to high-level cred.?	No	Higher Level Credentialing Agency
Info on how Credential Sequences		Higher Level FDOE Certification Code
Name of the higher level credential		Higher-Level Credential SOC Code

## Endorser Information

Local Workforce Board Endorser	Marci Murphy	Education Institution Endorser	Jose Dotres
Economic Development Org Endorser	Anna Lebesch		

## CAPE Information

Submitting for CAPE funding eligibility?	No	Proctoring Website (include https://)	
Test developed/issued by 3rd party?	Yes	Select proctoring option(s) available:	The candidate and proctor are in the same physical location; A virtual proctor is required
Is 3rd party linked to regulatory body?		Describe the exam distribution process.	Campus Administrator creates a student account, student access the exam through the account on the LMS (NC3.com). The proctor begins the exam and ends the exam session. The LMS scores the exam.
Regulatory bodies oversee recognition?		How long can proctor access exam for?	Proctor does not have access to the exam.
Partnerships between institutions?		Exams proctored securely?	Yes
How cert. qualify as AG under 570.07, FS		Methods confirming candidate's identity	Authorized training providers must match testers identity through their policies.
Exam ADAAA Compliance publicly available	Yes	Processes identifying test irregularity:	Internal test question analysis runs for each test and reports any irregularity per percentage of students answering selected questions.
		Procedures for invalidating scores:	Each campus administrator, proctor, and user must agree to the End User License Agreement (EULA) which outlines invalidation procedures.
Exam Number	Introduction to Mechatronics		
Exam Website (include https://)	<a href="https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master">https://www.festo.com/us/en/e/technical-education/festo-industry-certification-program-id_58296/#st_copy_master</a>	How is the exam scored?	Automatically scores through NC3certs.com (Learning Management System).
How are candidates registered for exam?	Through training approved providers.	Are written exams scored by cert agency?	Yes

Exam registration process public?	Yes	Cert is obtainable without curriculum?	
Are exam details publicly available?	Yes		
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?	Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?	2
Does the credential expire?		New version of exam for each retake?	Yes
Are these required to earn credential?		Required waiting period between retakes?	Yes
Is success based on written/performance?		Waiting period between retakes?	Up to discretion of training
Is a certificate/badge issued on success		Testing time limit applies to all exams?	Yes

**Short Summary of the requirement.**

**Skills and competencies assessed on exam**

Industry Recognized Certification Topics  
 Introduction to engineering basics  
 - Automation history and basics  
 - Technical terms and symbology  
 - Electronics and circuit design:  
 - Basics of relays, sensors, valves, actuators, gripper, control and logic systems  
 - Basics of mechanical systems and motors  
 - Universal PLC and digital logic programming basics  
 - Control and logic circuits  
 - Industrial networking and communication  
 - Simulation and modeling  
 - Scientific principles and laws  
 - Maintenance and troubleshooting  
 - Techniques for maintaining automated systems.  
 - Safety and compliance standards  
 - Energy management

Industry Recognized Certification Competencies  
 Introduction  
 transparent text  
 for outlines  
 - Introduction to engineering basics  
 - Automation history and basics  
 - Technical terms and symbology  
 - Electronics and circuit design:  
 - Basics of relays, sensors, valves, actuators, gripper, control and logic systems  
 - Basics of mechanical systems and motors

- Universal PLC and digital logic programming basics
- Control and logic circuits
- Industrial networking and communication
- Simulation and modeling
- Scientific principles and laws
- Maintenance and troubleshooting
- Techniques for maintaining automated systems.
- Safety and compliance standards
- Energy management
- Identify the components of automated systems
- Explain and demonstrate the functionality of pneumatics, electrical and mechanical components
- Define essential mechatronics terminology
- Utilize software tools to design, stimulate and control automated systems
- Identify the elements of programmable logic controllers
- Analyze logic circuits and develop sequence programs
- Apply the engineering design process to create automated systems and solutions
- Apply critical thinking, problems solving, and teamwork
- Explain the function of electro-pneumatic systems
- Explain and demonstrate the function of
- Stacking, conveying and handling systems

**Skills/competencies assessed on cert:**

**Describe Cred's Link to Occupation (CAPE)**

**Select the approach of exam questions:** Questions are randomized and selected from a test bank

**Select the format(s) of credential exam:** Computer-based exam; Performance-based exam

**Can the exam be taken before graduation?** Yes

**Record Type** Not Eligible MCL Application **MCL Credential** CRED-005274

**Section** Submitter Information **Last Modified By** Elizabeth Glenn, 12/1/2025 1:20 PM

## Files

**festo jaxusa letter**

Last Modified **12/1/2025 8:30 AM**

Created By **Emily Clevenger**

**festo careersource**

Last Modified **12/1/2025 8:29 AM**

Created By **Emily Clevenger**



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AP-000008

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Appeal ID	AP-000008	Status	Under Review
Reviewer		Name of Credential Denied:	HBI PACT, Plumbing
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000572	Credential Information Site (https://)	<a href="https://hbi.org/certification/plumbing/">https://hbi.org/certification/plumbing/</a>

#### Application Denial Reason

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#### Applicant

Are you the Original Submitter?	Yes	Applicant	josette twait	Applicant Phone	8635198438 xt 882
Applicant Title				Applicant Email	<a href="mailto:josette.twait@polk-fl.net">josette.twait@polk-fl.net</a>

---

#### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	Yes
LMEC Area OF Concern	No	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

---

#### Dates

Appeal Submitted Date	11/21/2025	Appeal Start Date
14 Day Period		Appeal Completion Date

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#### Supporting Information

Upload Copy of Denial Letter	<input checked="" type="checkbox"/>	Appeal Narrative	Appeal Letter and Artifacts attached.
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## MCLA - 000572

### Information

MCL Application ID	MCLA - 000572	Application Type	New Credential Application
Applicant	josette twait	Application Status	Not Eligible for MCL
Submission Date	10/17/2025	Approval Step Status	Rejected
Application Denied Date		CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	Yes
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	Polk
Which type of submitter are you?	Florida School District	Choose the Florida College:	

### Credential Information

Name of the Credential	New Credential: HBI Pre-Apprenticeship Certificate Training (PACT), Plumbing	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://hbi.org/certification/plumbing">https://hbi.org/certification/plumbing</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	Home Builders Institute	CIP Number (if applicable)	
Cred Agency Contact: First/Last Name	Steve Cousins	Provide the SOC code for the credential.	47-2152

Cred. Agency Contact: Phone Number	(202) 266-8939	Addressing wage through the following?
Credentialing Agency Contact: Email	cousins@hbi.org	Why is cred AG if not linked to AG SOC?
Website link with info on Cred. Agency	<a href="https://hbi.org/">https://hbi.org/</a>	Agricultural SOC Code Cred is linked to?

#### Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	No	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	67	Local plan/policy number of job openings	
Explain critical local/statewide need:	The 47-2152 SOC is on the statewide DOL. Plumbers, Pipefitters, and Steamfitters are in high demand statewide and in this region.	Describe credential's link to occupation	This certification is very relevant in the Building Trades and Construction sector and can lead to many occupations within the plumbing industry.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https:)	<a href="https://hbi.org/leadership/#trustees">https://hbi.org/leadership/#trustees</a>

#### Sequencing Information

Credential sequence to high-level cred.?	Yes	Higher Level Credentialing Agency
Info on how Credential Sequences		Higher Level FDOE Certification Code
Name of the higher level credential		Higher-Level Credential SOC Code

#### Endorser Information

Local Workforce Board Endorser	Education Institution Endorser
Economic Development Org Endorser	

#### CAPE Information

Submitting for CAPE funding eligibility?	No	Proctoring Website (include https://)
--	----	---------------------------------------

Test developed/issued by 3rd party?	Select proctoring option(s) available:
Is 3rd party linked to regulatory body?	Describe the exam distribution process.
Regulatory bodies oversee recognition?	How long can proctor access exam for?
Partnerships between institutions?	Exams proctored securely?
How cert. qualify as AG under 570.07, FS	Methods confirming candidate's identity
Exam ADAAA Compliance publicly available	Processes identifying test irregularity:
Exam Number	Procedures for invalidating scores:
Exam Website (include https://)	How is the exam scored?
How are candidates registered for exam?	Are written exams scored by cert agency?
Exam registration process public?	Cert is obtainable without curriculum?
Are exam details publicly available?	Candidate permitted to retake exam?
Are exam requirements publicly posted?	Number of possible retakes?
Is exam min performance reqs public?	New version of exam for each retake?
Does the credential expire?	Required waiting period between retakes?
Are these required to earn credential?	Waiting period between retakes?
Is success based on written/performance?	Testing time limit applies to all exams?
Is a certificate/badge issued on success	Short Summary of the requirement.
Skills and competencies assessed on exam	Skills/competencies assessed on cert:

Describe Cred's Link to Occupation (CAPE)

Select the approach of exam questions:

Select the format(s) of credential exam:

Can the exam be taken before graduation?

Record Type Not Eligible MCL Application

MCL Credential CRED-005312

Section Submitter Information

Last Modified By josette twait, 11/21/2025 8:14 AM

## Files

Finance - CONTRACTS - SOUTHEASTERN UNIVERSITY INC. - ARTICULATION & ENROLLMENT AGREEME... (3)

Last Modified 10/29/2025 2:28 PM

Created By josette twait

CFDC LOS HBI 2025

Last Modified 9/30/2025 4:25 PM

Created By josette twait

CareerSource Polk's Letter of Support -Polk County Public Schools 2025

Last Modified 9/30/2025 4:24 PM

Created By josette twait

GOBA\_HBI Letter of Support for Residential Construction Principles and Plumbing\_2025

Last Modified 9/30/2025 4:24 PM

Created By josette twait

MCL Application PDF - a1uPU000007PBp3YAG

Last Modified 9/30/2025 4:25 PM

Created By josette twait

HBI Articulation Agreement SEU and Polk

Last Modified 9/30/2025 4:25 PM

Created By josette twait

Plumbing\_Certificate\_SAMPLE

Last Modified 9/30/2025 4:24 PM

Created By josette twait

## Appeals

AP-000008

Appeal Start Date

Status Under Review

14 Day Period

Reviewer

Last Modified Date 11/21/2025

Appeal Completion Date

## Approval History



**BOARD MEMBERS**

**Dr. William Allen**  
Board Chair  
District 1

**Justin Sharpless**  
Board Vice-Chair  
District 6

**Lori Cunningham**  
District 2

**Rick Nolte**  
District 3

**Sara Beth Wyatt**  
District 4

**Kay Fields**  
District 5

**Lisa Miller**  
District 7

Office of Career, Technical, and Adult Education  
Industrial, Manufacturing, and Technology  
1915 S. Floral Ave  
Bartow, Florida 33830  
863.519.8438 xt. 882  
josette.twait@polk-fl.net

November 17, 2025

Credentials Review Committee  
CareerSource Florida  
PO Box 13179  
Tallahassee, FL 32317

**Re: Appeal for HBI PACT Plumbing Certification**

To Whom it May Concern:

**C. Wesley Bridges, II**  
General Counsel

**ADMINISTRATION**

**Frederick R. Heid**  
Superintendent

Polk County Public Schools (PCPS) would like to formally file an appeal for the denial of the HBI PACT Plumbing Certification, based on the stated reasons for denial:

**Credential Availability:** The credential does not appear to be currently available. It cannot be located on the certifying agency's website, and no public-facing documentation confirms its active status, delivery modality, or candidate access.

This reason for denial is addressed through Exhibit 1. Screenshots of the pre-registration process are included to show the certification's current availability.

**Incomplete Application:** The submission is missing required documentation, including letters of endorsement from industry partners or recognized stakeholders. This omission prevents validation of employer demand and sector relevance.

**STUDENTS FIRST**



1915 S. Floral Ave.  
Bartow, FL 33830



P.O. Box 391  
Bartow, FL 33831



863-534-0500



polkschoolsfl.com

This reason for denial is addressed through Exhibit 2. Copies of the educational institution, economic development organization, and local workforce development board support letters are attached.

**Testing Partner Verification:** Although NOCTI is listed as the testing partner, no information about this specific exam could be found on NOCTI's official website. This raises concerns about exam legitimacy, delivery readiness, and alignment with recognized assessment standards.

This reason for denial is addressed through Exhibit 3. Screenshots of the NOCTI blueprints are included to show the certification's current availability on NOCTI's official website.

HBI has addressed the reasons for denial and cured them through the attached exhibits. The certification now meets all requirements of the Framework of Quality.

Polk County Public Schools thanks you in advance for consideration of this critical certification.

Sincerely,

Josette Twait  
Assistant Director  
Career and Technical Education  
Polk County Public Schools



1915 S. Floral Ave.  
Bartow, FL 33830



P.O. Box 391  
Bartow, FL 33831



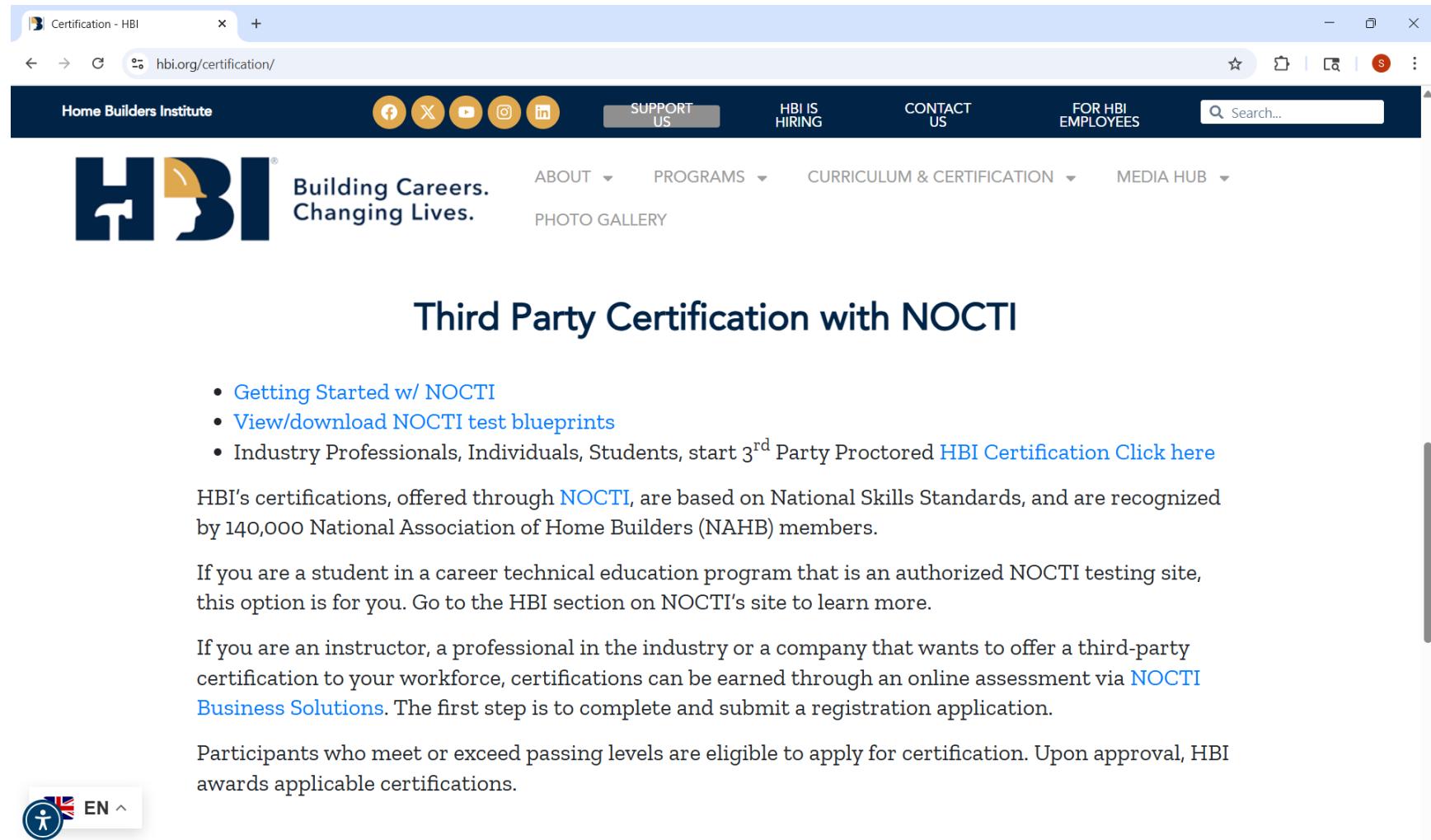
863-534-0500



polkschoolsfl.com

## **Exhibit 1**

To pre-register for the HBI PACT Plumbing exam, the test candidate will need to click on the “Industry Professionals, Individuals, Students, start 3<sup>rd</sup> Party Proctored” link on the HBI Certifications webpage (<https://hbi.org/certification/>).



The screenshot shows a web browser window with the HBI website loaded. The URL in the address bar is [hbi.org/certification/](https://hbi.org/certification/). The page features the HBI logo and tagline "Building Careers. Changing Lives." The navigation menu includes links for ABOUT, PROGRAMS, CURRICULUM & CERTIFICATION, MEDIA HUB, and PHOTO GALLERY. A search bar is also present. The main content area is titled "Third Party Certification with NOCTI" and contains a bulleted list of links: "Getting Started w/ NOCTI", "View/download NOCTI test blueprints", and "Industry Professionals, Individuals, Students, start 3<sup>rd</sup> Party Proctored [HBI Certification Click here](#)". Below this, text explains that HBI's certifications are based on NOCTI standards and recognized by NAHB members. It then provides information for students, instructors, and professionals.

- [Getting Started w/ NOCTI](#)
- [View/download NOCTI test blueprints](#)
- Industry Professionals, Individuals, Students, start 3<sup>rd</sup> Party Proctored [HBI Certification Click here](#)

HBI's certifications, offered through [NOCTI](#), are based on National Skills Standards, and are recognized by 140,000 National Association of Home Builders (NAHB) members.

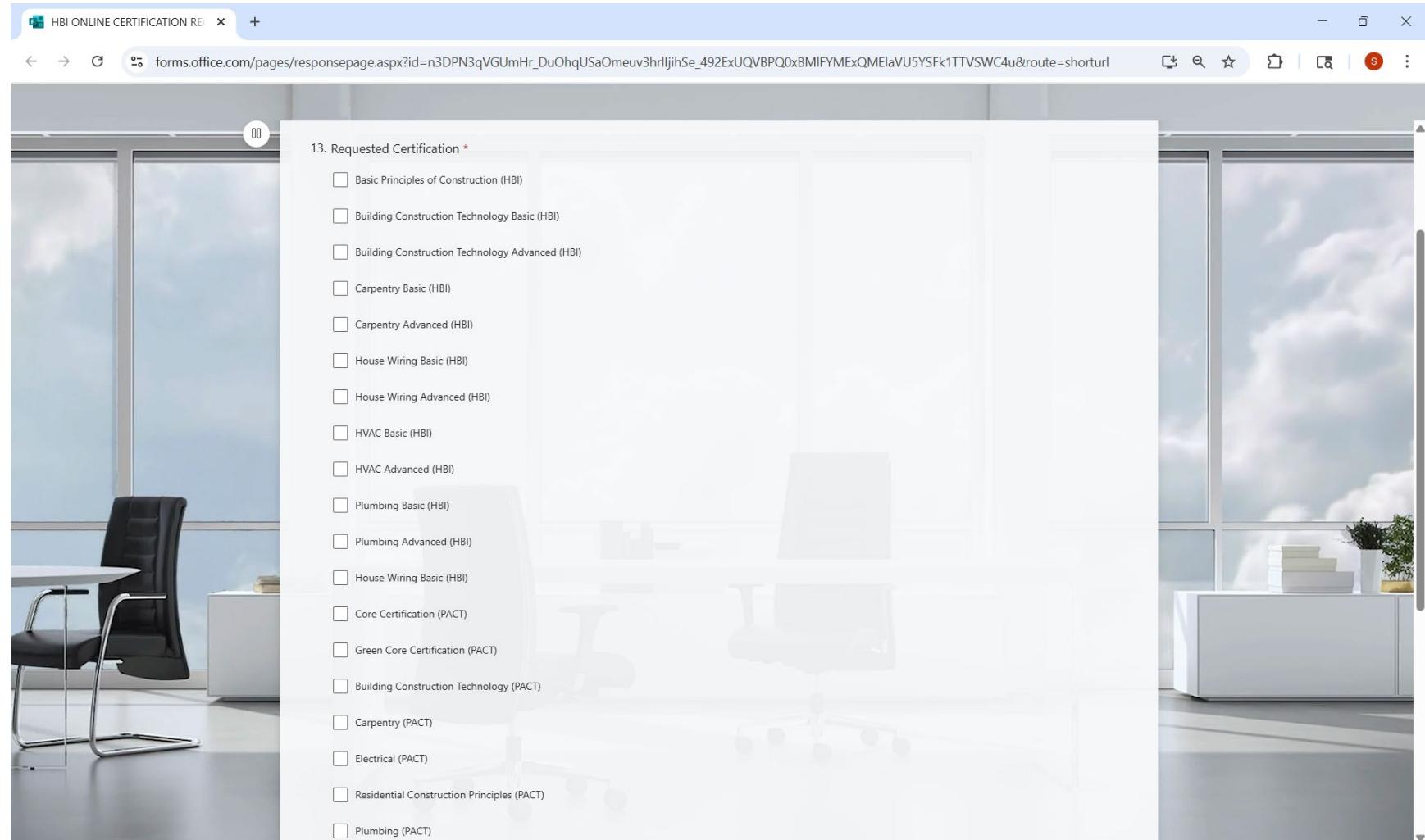
If you are a student in a career technical education program that is an authorized NOCTI testing site, this option is for you. Go to the HBI section on NOCTI's site to learn more.

If you are an instructor, a professional in the industry or a company that wants to offer a third-party certification to your workforce, certifications can be earned through an online assessment via [NOCTI Business Solutions](#). The first step is to complete and submit a registration application.

Participants who meet or exceed passing levels are eligible to apply for certification. Upon approval, HBI awards applicable certifications.

 EN ^

After entering test candidate information on the first and second pages of the HBI Online Certification Registration Form, the third page of the form will allow test candidates to select Plumbing (PACT) and submit the form for pre-registration.



The screenshot shows a Microsoft Forms page titled "HBI ONLINE CERTIFICATION RE". The main content area is a question titled "13. Requested Certification \*". Below the title is a list of 18 certification options, each preceded by an empty square checkbox. The options are arranged in two columns. The first column contains: Basic Principles of Construction (HBI), Building Construction Technology Basic (HBI), Building Construction Technology Advanced (HBI), Carpentry Basic (HBI), Carpentry Advanced (HBI), House Wiring Basic (HBI), House Wiring Advanced (HBI), HVAC Basic (HBI), HVAC Advanced (HBI), Plumbing Basic (HBI), Plumbing Advanced (HBI), House Wiring Basic (HBI), Core Certification (PACT), Green Core Certification (PACT), Building Construction Technology (PACT), Carpentry (PACT), Electrical (PACT), Residential Construction Principles (PACT), and Plumbing (PACT). The second column contains: Basic Principles of Construction (HBI), Building Construction Technology Basic (HBI), Building Construction Technology Advanced (HBI), Carpentry Basic (HBI), Carpentry Advanced (HBI), House Wiring Basic (HBI), House Wiring Advanced (HBI), HVAC Basic (HBI), HVAC Advanced (HBI), Plumbing Basic (HBI), Plumbing Advanced (HBI), House Wiring Basic (HBI), Core Certification (PACT), Green Core Certification (PACT), Building Construction Technology (PACT), Carpentry (PACT), Electrical (PACT), Residential Construction Principles (PACT), and Plumbing (PACT). The background of the form is a blurred image of an office interior with a large window, a desk, and a chair.

13. Requested Certification \*

- Basic Principles of Construction (HBI)
- Building Construction Technology Basic (HBI)
- Building Construction Technology Advanced (HBI)
- Carpentry Basic (HBI)
- Carpentry Advanced (HBI)
- House Wiring Basic (HBI)
- House Wiring Advanced (HBI)
- HVAC Basic (HBI)
- HVAC Advanced (HBI)
- Plumbing Basic (HBI)
- Plumbing Advanced (HBI)
- House Wiring Basic (HBI)
- Core Certification (PACT)
- Green Core Certification (PACT)
- Building Construction Technology (PACT)
- Carpentry (PACT)
- Electrical (PACT)
- Residential Construction Principles (PACT)
- Plumbing (PACT)



## Exhibit 2

### **BOARD MEMBERS**

**Dr. William Allen**  
Board Chair  
District 1

**Justin Sharpless**  
Board Vice-Chair  
District 6

**Lori Cunningham**  
District 2

**Rick Nolte**  
District 3

**Sara Beth Wyatt**  
District 4

**Kay Fields**  
District 5

**Lisa Miller**  
District 7

**C. Wesley Bridges, II**  
General Counsel

### **ADMINISTRATION**

**Frederick R. Heid**  
Superintendent

Office of Career, Technical, and Adult Education  
Industrial, Manufacturing, and Technology  
1915 S. Floral Ave  
Bartow, Florida 33830  
863.519.8438 xt. 882  
josette.twait@polk-fl.net

September 30, 2025  
Credentials Review Committee  
CareerSource Florida  
PO Box 13179  
Tallahassee, FL 32317

### **Re: HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles Certifications**

To Whom it May Concern:

Polk County Public Schools would like to express our full support of the HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications, for addition to the 2025-26 Master Credentials List (MCL) and for the HBI PACT Core and HBI PACT Core Green to remain on the 2025-26 MCL.

One of the primary workforce development sectors in our region is building construction trades. Success in this space requires developing a strong talent pipeline that supports local companies. Similarly, providing incumbent workers with the ability to relearn skills such as those in plumbing and residential construction provide competitiveness and flexibility in small and large-scale construction industries.

There is a growing recognition that earning an industry certification in career and technical education (CTE) programs can provide the skilled talent needed without requiring a college degree. Having the HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction

**STUDENTS FIRST**



1915 S. Floral Ave.  
Bartow, FL 33830



P.O. Box 391  
Bartow, FL 33831



863-534-0500



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Principles certifications on the Master Credentials List gives us a competitive advantage as we educate our next generation of CTE students.

- Attaining HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications are of high value to our local building trades and construction companies.
- HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications align with our regional industry targets in building trades and construction as one of our local keystone industries. Careers in building trades and construction are in high demand, and we expect this demand to continue growing.
- Many job seekers, whether rising students or military veterans, benefit from the industry certification process, leading to very little lag in hiring. Local companies recognize the value of HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications and compete to hire graduates.

Therefore, we would like to confirm our full support for the HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications to be added to the 2025-26 MCL and the HBI PACT Core and HBI PACT Core Green to remain on the 2025-26 MCL.

Sincerely,

Josette Twait  
CTAE Assistant Director  
Industrial, Manufacturing, and Engineering



1915 S. Floral Ave.  
Bartow, FL 33830



P.O. Box 391  
Bartow, FL 33831



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September 24, 2025

Credentials Review Committee  
CareerSource Florida  
PO Box 13179  
Tallahassee, FL 32317

**RE: HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications**

To Whom it May Concern:

Central Florida Development Council (CFDC) would like to express our full support of the HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications, for addition to the 2025-26 Master Credentials List (MCL) and for the HBI PACT Core and HBI PACT Core Green to remain on the 2025-26 MCL.

One of the primary workforce development sectors in our region is building construction trades. Success in this space requires developing a strong talent pipeline. Similarly, providing incumbent workers with the ability to relearn skills such as those in plumbing and residential construction provide competitiveness and flexibility in small and large-scale construction industries.

There is a growing recognition that earning an industry certification in career and technical education (CTE) programs can provide the skilled talent needed without requiring a college degree. Having the HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications on the Master Credentials List gives us a competitive advantage as we educate our next generation of CTE students.

- Attaining HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications are of high value to Polk County construction companies.
- HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications align with our regional industry targets. Careers in building trades and construction are in high demand, and we expect this demand to continue growing.
- Many job seekers, whether rising students or military veterans, benefit from the industry certification process, leading to very little lag in hiring. Local companies recognize the value of HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications and compete to hire graduates.

Therefore, we confirm our full support for the HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications to be added to the 2025-26 MCL and the HBI PACT Core and HBI PACT Core Green to remain on the 2025-26 MCL.

Sincerely,

A handwritten signature in black ink, appearing to read "Sean Malott".

Sean Malott  
President & CEO  
sean@cfdc.org

**September 30, 2025**

Credentials Review Committee  
CareerSource Florida  
P.O. Box 13179  
Tallahassee, FL 32317

**Subject: Formal Endorsement for Inclusion of HBI PACT Certifications on the State Master Credentials List**

Dear Credentials Review Committee:

On behalf of CareerSource Polk, I am writing to formally express our strong support for the inclusion of the following Home Builders Institute (HBI) Pre-Apprenticeship Certificate Training (PACT) certifications on the State Master Credentials List:

- HBI PACT Core
- HBI PACT Core Green
- HBI PACT Building Construction Technology
- HBI PACT Carpentry
- HBI PACT Electrical
- HBI PACT Plumbing
- HBI PACT Residential Construction Principles

These certifications represent high-quality, industry-recognized credentials that are aligned with the workforce demands of Florida's construction sector. The recent articulation agreement between Polk County Public Schools and Southeastern University further enhances the value of these credentials by awarding postsecondary credit toward a Bachelor of Science in Construction Technology. This agreement establishes a clear and efficient pathway from secondary education to postsecondary attainment and career entry.

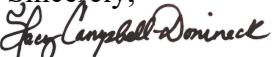
CareerSource Polk recognizes the strategic importance of credentialing frameworks that support both academic progression and workforce readiness. The HBI PACT certifications meet these objectives by:

- Validating essential competencies required in the construction industry
- Facilitating accelerated postsecondary enrollment and completion
- Enhancing employability and career advancement opportunities for students
- Contributing to the development of a skilled and sustainable talent pipeline

We commend the collaborative efforts of Polk County Public Schools and Southeastern University in establishing this articulation agreement and urge CareerSource Florida to approve the inclusion of these certifications on the Master Credentials List. Doing so will reinforce the value of industry-aligned education and support the continued growth and competitiveness of Florida's workforce.

Thank you for your consideration of this important request.

Sincerely,



**Stacy Campbell-Domineck**

President & Chief Executive Officer  
CareerSource Polk

[info@careersourcepolk.com](mailto:info@careersourcepolk.com)

600 N Broadway Ave., Suite B | Bartow, FL 33830

p: 863.508.1600 | f: 863.508.1601



September 23, 2025

Credentials Review Committee  
CareerSource Florida  
PO Box 13179  
Tallahassee, FL 32317

**RE: Residential Construction Principles and Plumbing Industry Certifications**

To Whom it May Concern:

On behalf of the Greater Orlando Builders Association ("GOBA") and the 800 companies that GOBA represents in the central Florida homebuilding industry, we would like to express our full support for Home Builders Institute's (HBI) Residential Construction Principles and Plumbing industry certifications, for addition to the 2025-26 Master Credentials List.

The continued growth of the Construction industry is again lifting the U.S. economy and is significantly aided by the emergence of trained workers in the skilled trades. Building construction and plumbing skills are a key driver of competitiveness and flexibility in both small and large-scale jobs throughout both the state of Florida and the U.S.

Amid a significant shortage of skilled workers across many industries, the Residential Construction Principles and Plumbing industry certifications address the critical factor of talent development. There is growing recognition that industry certifications are an excellent solution to the continued resource challenges.

The Residential Construction Principles and Plumbing certifications have improved the quality and quantity of skilled workers entering our workforce. These certifications provide students with a path to well-paid employment, which benefits the local economy. These certifications also support continued education for veterans of the armed services, many of whom had technical jobs in their military careers and are interested in moving into private sector employment when they exit the military.

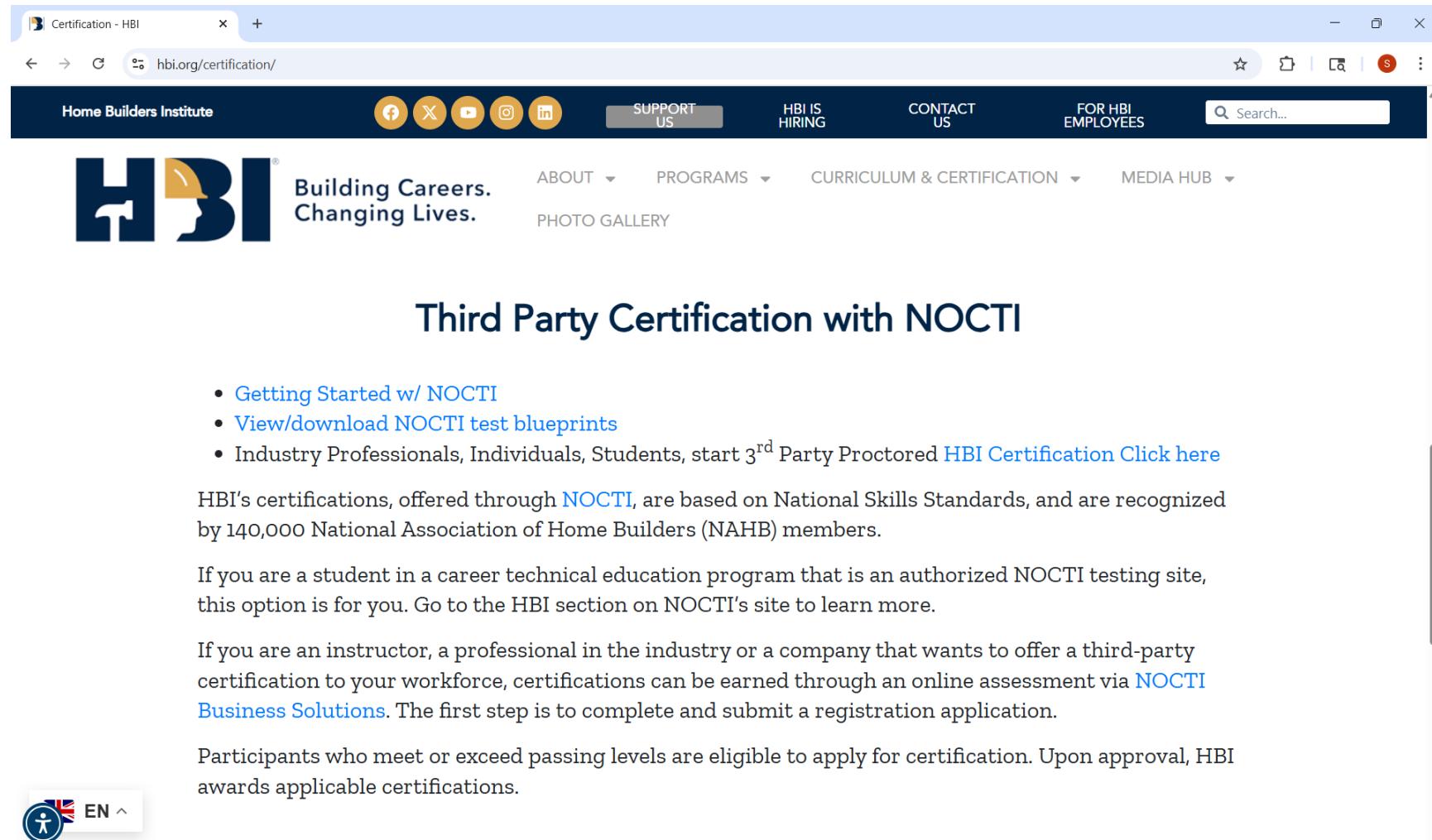
We look forward to continued collaboration on the attainment of these valuable industry certifications.

Best regards,

Chassity Vega  
Chief Executive Officer

### **Exhibit 3**

To view the NOCTI blueprint for the HBI PACT Specialty: Plumbing exam, click on the “View/download NOCTI test blueprints” link on the HBI Certifications webpage (<https://hbi.org/certification/>).



The screenshot shows a web browser window for 'Certification - HBI' at the URL [hbi.org/certification/](https://hbi.org/certification/). The page features the HBI logo and tagline 'Building Careers. Changing Lives.' The navigation menu includes links for 'ABOUT', 'PROGRAMS', 'CURRICULUM & CERTIFICATION', 'MEDIA HUB', 'PHOTO GALLERY', 'SUPPORT US', 'HBI IS HIRING', 'CONTACT US', and 'FOR HBI EMPLOYEES'. A search bar is also present. The main content area is titled 'Third Party Certification with NOCTI' and contains the following text and list:

HBI's certifications, offered through **NOCTI**, are based on National Skills Standards, and are recognized by 140,000 National Association of Home Builders (NAHB) members.

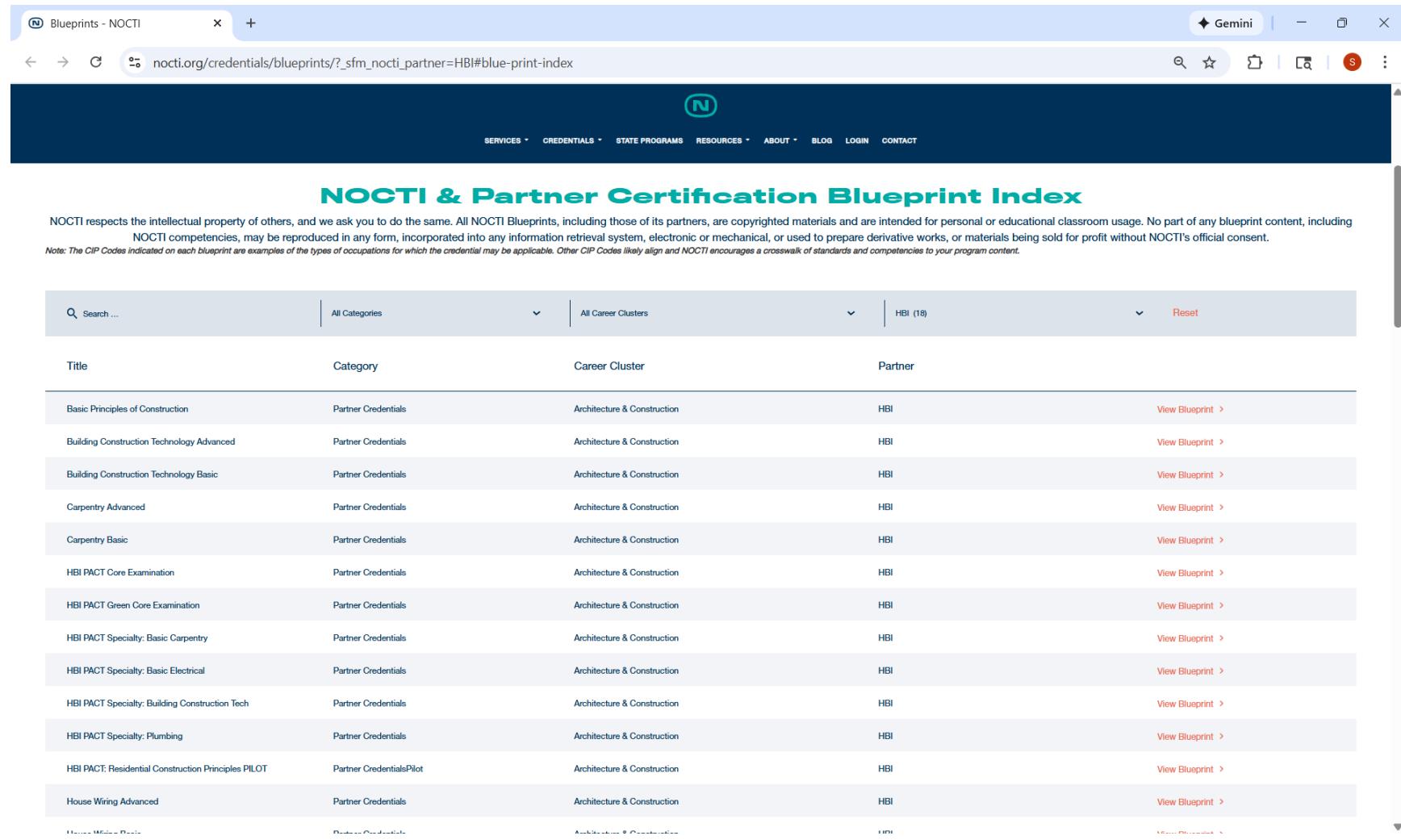
If you are a student in a career technical education program that is an authorized NOCTI testing site, this option is for you. Go to the HBI section on NOCTI's site to learn more.

If you are an instructor, a professional in the industry or a company that wants to offer a third-party certification to your workforce, certifications can be earned through an online assessment via **NOCTI Business Solutions**. The first step is to complete and submit a registration application.

Participants who meet or exceed passing levels are eligible to apply for certification. Upon approval, HBI awards applicable certifications.

Language selection: EN ^

Click on the “View Blueprint” next to “HBI PACT Specialty: Plumbing” to view the exam blueprint document issued by NOCTI.



The screenshot shows a web browser displaying the NOCTI Blueprint Index. The page title is "NOCTI & Partner Certification Blueprint Index". The content area lists various credentials with columns for Title, Category, Career Cluster, Partner, and a "View Blueprint" link. The "View Blueprint" link for "HBI PACT Specialty: Plumbing" is highlighted in red. The page includes a search bar, dropdown filters for categories and career clusters, and a note about intellectual property rights.

Title	Category	Career Cluster	Partner	
Basic Principles of Construction	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
Building Construction Technology Advanced	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
Building Construction Technology Basic	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
Carpentry Advanced	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
Carpentry Basic	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Core Examination	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Green Core Examination	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Specialty: Basic Carpentry	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Specialty: Basic Electrical	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Specialty: Building Construction Tech	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Specialty: Plumbing	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT: Residential Construction Principles PILOT	Partner CredentialsPilot	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
House Wiring Advanced	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>



Building Careers.  
Changing Lives.



National Association  
of Home Builders

---

**HBI Pre-Apprenticeship  
Certificate Training (PACT)  
Plumbing**

## General Assessment Information

### Blueprint Contents

General Assessment Information  
Written Assessment Information

Specific Competencies Covered in the Test  
Sample Written Items

**Test Type:** This certification assessment is a customized assessment for the Home Builders Institute. This assessment measures technical skills at the occupational level and includes items which gauge factual and theoretical knowledge. This assessment offers both a written and performance component and can be used at the secondary level and postsecondary level. This assessment can be delivered in an online or paper/pencil format.

**Revision Team:** The assessment content is based on input from secondary, post-secondary, and business/industry representatives from the state of Arizona, California, Indiana, Maryland, North Carolina, Pennsylvania, South Carolina, Tennessee, and Washington.



46.0503 – Plumbing Technology/Plumber



Career Cluster - Architecture  
and Construction



47-2152.02 - Plumbers



The Association for Career and Technical Education (ACTE), the leading professional organization for career and technical educators, commends all students who participate in career and technical education programs and choose to validate their educational attainment through rigorous technical assessments. In taking this assessment you demonstrate to your school, your parents and guardians, your future employers and yourself that you understand the concepts and knowledge needed to succeed in the workplace. Good Luck!



The Home Builders Institute (HBI) trains skilled workers for the building industry. Through pre-apprenticeship training, certification programs and job placement services, HBI provides graduates with the skills and experience they need to build a career and change their lives. HBI assessments, in partnership with the National Association of Home Builders (NAHB), are based on national skills standards set by industry professionals and educators. Participants passing the assessments are eligible for certification through HBI/NAHB at the entry, semi-skilled, or skilled levels.

Selection of curricula and instructional materials chosen to support assessment achievement must be obtained from material that has been aligned to the Residential Construction National Skill Standards and approved by HBI. For a current listing, please go to <http://www.hbi.org/curriculum/>

Visit [www.hbi.org](http://www.hbi.org) for more information.

## Written Assessment

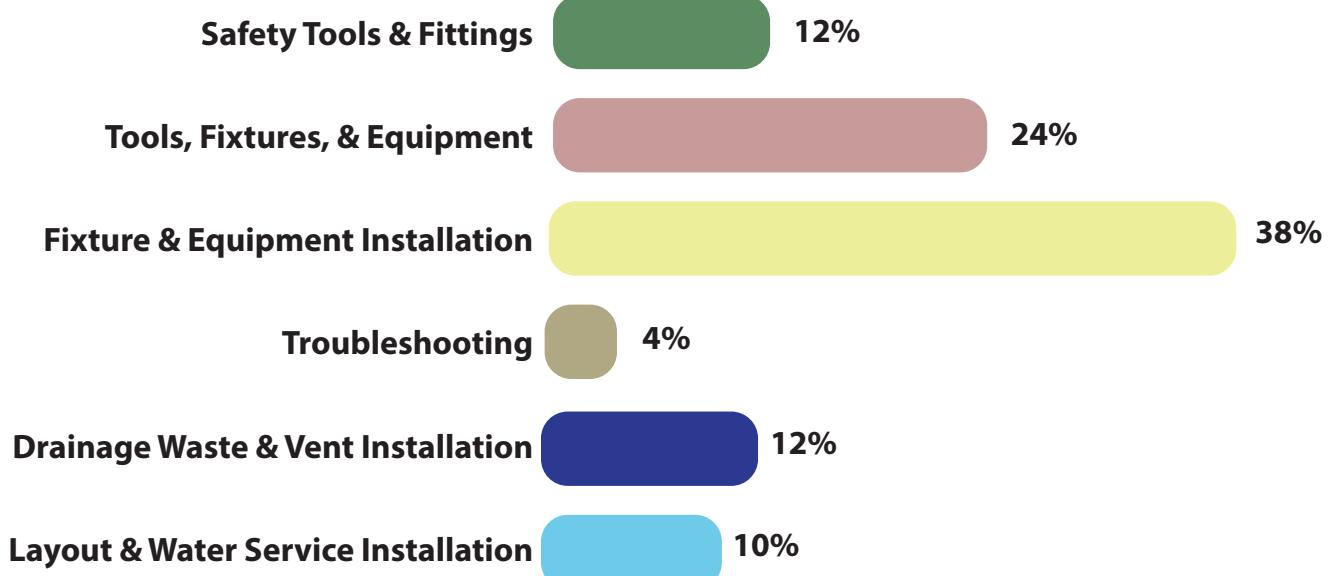
This written assessment consists of questions to measure an individual's factual theoretical knowledge.

**Administration Time:** 60 minutes

**Number of Questions:** 50

**Number of Sessions:** This assessment may be administered in one session.

### Areas Covered



## Specific Competencies and Skills Tested in this Assessment

### Safety Tools and Fittings

- Understand and apply OSHA regulations.
- Understand and apply proper safety procedures when working with pressurized systems, electrical energy
- Apply OSHA ladder and scaffold safety and maintenance procedures.
- Properly identify and select piping, valves, and fittings.
- Apply brazing and soldering safety procedures.

### Tools, Fixtures, and Equipment

- Describe and apply proper procedures for measuring.
- Understand and apply OSHA regulations.
- Identify common plumbing tools and equipment.
- Properly identify and select plumbing fixtures.
- Identify common valve types and their uses.
- Identify common plumbing tools and equipment.
- Explain the causes and prevention of backflow.
- Understand and apply principles of building drains.
- Describe the different types of water closets and bidets used in residential and commercial construction.
- Describe the purpose of expansion tanks.
- Identify common plumbing materials and fittings used for supply and DWV systems.

(Continued on the following page)



## Specific Competencies and Skills (continued)

### Fixture and Equipment Installation

- Install water closets and bidets according to manufacturer specifications.
- Install handicapped accessible fixtures according to manufacturer specifications and codes.
- Understand and apply basic principles of BTU.
- Read plan view and isometric drawings using standard plumbing fixture and piping symbols.
- Install a water service according to plans and specifications.
- Describe and apply proper procedures for measuring and fabricating copper pipe.
- Cut, ream, and thread black iron or galvanized pipe using pipe cutter, ratchet threader, and reamer.
- Describe the proper trap and faucet connections commonly used in residential construction.
- Determine drainage system sizing using drainage fixture units.
- Understand and apply basic principles of expansion of water and effect on plumbing.
- Identify select, measure, and install the proper type of pipe and tubing.
- Describe the purposes of traps and cleanouts.
- Explain procedures for testing DWV systems using hydrostatic means.
- Cut and join PVC/CPVC using appropriate tools and methods.
- Describe the operation of vacuum breakers, back-flow preventers, and anti-siphon devices.
- Describe the benefits and methods of installing PEX tubing, fittings, use expanders, and insert fitting.
- Install handicapped accessible fixtures according to manufacturer specifications and codes.

### Troubleshooting

- Identify components of gas and electric water heaters.

### Drainage Waste and Vent Installation

- Understand and apply basic principles of drainage, waste, and vent systems.
- Secure horizontal and vertical lines of pipe to wood and metal surfaces.
- Identify piping materials used to fabricate stacks.
- Understand and apply principles of proper use of change of direction fittings.
- Install sewer and public tie-ins at proper grade with proper supports.

(Continued on the following page)

## Specific Competencies and Skills (continued)

### **Layout and Water Service Installation**

- Read plan view and isometric drawings using standard plumbing fixture and piping symbols.
- Describe the different piping materials for water service.
- Comply with local codes.
- Explain the purpose of check valves, gate valves, and unions in connection with sump pumps and ejector systems.

## Sample Questions

Which of these is a characteristic of a male adapter?

- A. Internal threads
- B. External threads
- C. A thread cover
- D. A slip-joint and washer

Which of these is used to connect the tailpiece to a kitchen sink?

- A. Lock nut
- B. Check valve
- C. Basket strainer
- D. Trap adapter

Which of these is required to install non-insulated copper pipe?

- A. A copper plated hanger
- B. A rubber coated hanger
- C. A PVC clip strap
- D. A black steel clamp

Which of these is the lowest horizontal portion of the drainage system inside the building?

- A. The building drain
- B. The waste stack
- C. The stack vent
- D. The building sewer

Which of these is most likely to cause a leak in a toilet tank?

- A. Loose closet bolts
- B. The wax ring
- C. Close-couple gasket
- D. Improper vent



- [Close Window](#)
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## AP-000007

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Appeal ID	AP-000007	Status	Under Review
Reviewer		Name of Credential Denied:	HBI PACT Residential Construction Principles
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000567	Credential Information Site (https://)	<a href="https://hbi.org/certification/residential-construction-principles/">https://hbi.org/certification/residential-construction-principles/</a>

### Application Denial Reason

---

### Applicant

Are you the Original Submitter?	Yes	Applicant Phone	8635198438 xt 882
Applicant	josette twait	Applicant Email	<a href="mailto:josette.twait@polk-fl.net">josette.twait@polk-fl.net</a>
Applicant Title			

---

### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	Yes
LMEC Area OF Concern	No	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

---

### Dates

Appeal Submitted Date	11/20/2025	Appeal Start Date
14 Day Period		Appeal Completion Date

---

### Supporting Information

Upload Copy of Denial Letter	<input checked="" type="checkbox"/>	Appeal Narrative	Appeal Letter and Exhibits attached
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## MCLA - 000567

### Information

MCL Application ID	MCLA - 000567	Application Type	New Credential Application
Applicant	josette twait	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date		CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	No
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	Polk
Which type of submitter are you?	Florida School District	Choose the Florida College:	

### Credential Information

Name of the Credential	New Credential: HBI Pre-Apprenticeship Certificate Training (PACT), Residential Construction Principles	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://hbi.org/certification/residential-construction-principles">https://hbi.org/certification/residential-construction-principles</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	Home Builders Institute	CIP Number (if applicable)	
Cred Agency Contact: First/Last Name	Steve Cousins	Provide the SOC code for the credential.	47-1011

Cred. Agency Contact: Phone Number	(202) 266-8939	Addressing wage through the following?
Credentialing Agency Contact: Email	cousins@hbi.org	Why is cred AG if not linked to AG SOC?
Website link with info on Cred. Agency	<a href="https://hbi.org/">https://hbi.org/</a>	Agricultural SOC Code Cred is linked to?

#### Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Manufacturing
LMEC Area of Concern?	No	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	150	Local plan/policy number of job openings	
Explain critical local/statewide need:	The 47-1011 SOC is on the statewide DOL. First-Line Supervisors of Construction Trades and Extraction Workers are in high demand statewide and in this region.	Describe credential's link to occupation	This certification is very relevant in the Building Trades and Construction sector and can lead to many occupations within the skilled trades.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	Yes	Industry Validation Link (include https:)	<a href="https://hbi.org/leadership/#trustees">https://hbi.org/leadership/#trustees</a>

#### Sequencing Information

Credential sequence to high-level cred.?	Yes	Higher Level Credentialing Agency
Info on how Credential Sequences		Higher Level FDOE Certification Code
Name of the higher level credential		Higher-Level Credential SOC Code

#### Endorser Information

Local Workforce Board Endorser	Education Institution Endorser
Economic Development Org Endorser	

#### CAPE Information

Submitting for CAPE funding eligibility?	No	Proctoring Website (include https://)
--	----	---------------------------------------

Test developed/issued by 3rd party?	Select proctoring option(s) available:
Is 3rd party linked to regulatory body?	Describe the exam distribution process.
Regulatory bodies oversee recognition?	How long can proctor access exam for?
Partnerships between institutions?	Exams proctored securely?
How cert. qualify as AG under 570.07, FS	Methods confirming candidate's identity
Exam ADAAA Compliance publicly available	Processes identifying test irregularity:
Exam Number	Procedures for invalidating scores:
Exam Website (include https://)	How is the exam scored?
How are candidates registered for exam?	Are written exams scored by cert agency?
Exam registration process public?	Cert is obtainable without curriculum?
Are exam details publicly available?	Candidate permitted to retake exam?
Are exam requirements publicly posted?	Number of possible retakes?
Is exam min performance reqs public?	New version of exam for each retake?
Does the credential expire?	Required waiting period between retakes?
Are these required to earn credential?	Waiting period between retakes?
Is success based on written/performance?	Testing time limit applies to all exams?
Is a certificate/badge issued on success	Short Summary of the requirement.
Skills and competencies assessed on exam	
Skills/competencies assessed on cert:	

Describe Cred's Link to Occupation (CAPE)

Select the approach of exam questions:

Select the format(s) of credential exam:

Can the exam be taken before graduation?

Record Type Not Eligible MCL Application

MCL Credential CRED-005311

Section Submitter Information

Last Modified By josette twait, 11/20/2025 1:14 PM

## Files

### Addendum

Last Modified 12/16/2025 2:59 PM

Created By Elizabeth Glenn

### Finance - CONTRACTS - SOUTHEASTERN UNIVERSITY INC. - ARTICULATION & ENROLLMENT AGREEME... (3)

Last Modified 10/29/2025 2:28 PM

Created By josette twait

### CareerSource Polk's Letter of Support -Polk County Public Schools 2025

Last Modified 9/30/2025 4:53 PM

Created By josette twait

### MCL Application PDF - a1uPU000007P7YXYA0

Last Modified 9/30/2025 4:01 PM

Created By josette twait

### CareerSource Polk's Letter of Support -Polk County Public Schools 2025

Last Modified 9/30/2025 3:54 PM

Created By josette twait

### CFDC LOS HBI 2025

Last Modified 9/30/2025 3:54 PM

Created By josette twait

### HBI Articulation Agreement SEU and Polk

Last Modified 9/30/2025 3:53 PM

Created By josette twait

### CFDC LOS HBI 2025

Last Modified 9/30/2025 3:51 PM

Created By josette twait

### RCP\_Certificate\_SAMPLE

Last Modified 9/30/2025 3:47 PM

Created By josette twait

### GOBA\_HBI Letter of Support for Residential Construction Principles and Plumbing\_2025

Last Modified 9/30/2025 3:47 PM

Created By josette twait

## Appeals

AP-000007

Appeal Start Date

Status Under Review

14 Day Period

Reviewer



**BOARD MEMBERS**

**Dr. William Allen**  
Board Chair  
District 1

**Justin Sharpless**  
Board Vice-Chair  
District 6

**Lori Cunningham**  
District 2

**Rick Nolte**  
District 3

**Sara Beth Wyatt**  
District 4

**Kay Fields**  
District 5

**Lisa Miller**  
District 7

**C. Wesley Bridges, II**  
General Counsel

**ADMINISTRATION**

**Frederick R. Heid**  
Superintendent

Office of Career, Technical, and Adult Education  
Industrial, Manufacturing, and Technology  
1915 S. Floral Ave  
Bartow, Florida 33830  
863.519.8438 xt. 882  
josette.twait@polk-fl.net

November 17, 2025

Credentials Review Committee  
CareerSource Florida  
PO Box 13179  
Tallahassee, FL 32317

**Re: Appeal for HBI PACT Residential Construction Principles Certification**

To Whom it May Concern:

Polk County Public Schools (PCPS) would like to formally file an appeal for the denial of the HBI PACT Residential Construction Principles Certification, based on the stated reasons for denial:

**SOC Code Review:** The associated Standard Occupational Classification (SOC) code does not meet Florida's wage and demand requirements.

This reason for denial is addressed through an articulation agreement with Southeastern University (SEU), and letter of explanation from PCPS, to cure both wage and sequencing in Exhibit 1. SEU's BS Degree in Construction Technology would be expected to earn wages meeting or exceeding the AS Degree in Building Construction Technology (CIP # 1615100102), currently on the 2025-26 MCL with wages exceeding the high-wage threshold. Local demand is cured through SOC code 47-2061, as this SOC code has already been linked to HBI PACT Core and Core Green, also named in the abovementioned articulation agreement with SEU.

**STUDENTS FIRST**



1915 S. Floral Ave.  
Bartow, FL 33830



P.O. Box 391  
Bartow, FL 33831



863-534-0500



[polkschoolsfl.com](http://polkschoolsfl.com)

**Credential Availability:** The credential does not appear to be currently available. It cannot be located on the certifying agency's website, and no public-facing documentation confirms its active status, delivery modality, or candidate access.

This reason for denial is addressed through Exhibit 2. Screenshots of the pre-registration process are included to show the certification's current availability.

**Incomplete Application:** The submission is missing required documentation, including letters of endorsement from industry partners or recognized stakeholders. This omission prevents validation of employer demand and sector relevance.

This reason for denial is addressed through Exhibit 3. Copies of the educational institution, economic development organization, and local workforce development board support letters are attached.

**Testing Partner Verification:** Although NOCTI is listed as the testing partner, no information about this specific exam could be found on NOCTI's official website. This raises concerns about exam legitimacy, delivery readiness, and alignment with recognized assessment standards.

This reason for denial is addressed through Exhibit 4. Screenshots of the NOCTI blueprints are included to show the certification's current availability on NOCTI's official website. HBI has addressed the reasons for denial and cured them through the attached exhibits. The certification now meets all requirements of the Framework of Quality.

Polk County Public Schools thanks you in advance for consideration of this critical certification.

Sincerely,

Josette Twait  
Assistant Director  
Career and Technical Education  
Polk County Public Schools



1915 S. Floral Ave.  
Bartow, FL 33830



P.O. Box 391  
Bartow, FL 33831



863-534-0500



polkschoolsfl.com

## **Exhibit 1**

September 24, 2025

Credentials Review Committee  
CareerSource Florida  
PO Box 13179  
Tallahassee, FL 32317

**Re: Articulation Agreement for HBI PACT Core, HBI PACT Core Green, HBI PACT Building Construction Technology, HBI PACT Carpentry, HBI PACT Electrical, HBI PACT Plumbing and HBI PACT Residential Construction Principles Certifications**

To Whom it May Concern:

The attached articulation agreement is between Polk County School District and Southeastern University. This agreement formally recognizes the value of the Home Builders Institute (HBI) industry certifications earned by secondary students and aligns them with postsecondary credit toward a Bachelor of Science Degree in Construction Technology degree at Southeastern University.

**Certifications Covered Under the Agreement**

- HBI PACT Core
- HBI PACT Core Green
- HBI PACT Building Construction Technology
- HBI PACT Carpentry
- HBI PACT Electrical
- HBI PACT Plumbing
- HBI PACT Residential Construction Principles

**Credit Award Structure**

- Students who earn the HBI PACT Core are awarded **six (6) college credit hours** applicable toward the Construction Technology degree program.
- **Additional HBI Certifications:** Students who complete four years of the PCPS Construction Academy and Pass an HBI Certification (PACT Core Green, PACT Building Construction Technology, PACT Carpentry, PACT Electrical, PACT Plumbing, or PACT Residential Construction Principles) will be awarded a total of **nine (9) college credit hours** Construction Technology degree program.

This articulation agreement provides students with a clear pathway from high school to higher education while rewarding them for their industry-recognized achievements. Connecting the skills and knowledge gained in secondary construction programs with the academic requirements of

Southeastern University, students can accelerate their progress toward a college degree, reduce the cost of higher education, and strengthen their career readiness in the construction industry.

Polk County School District is proud to partner with Southeastern University in supporting the success of our students and building a stronger, more skilled workforce for our community.

Josette Twait

Assistant Director

Career and Technical Education

Polk County School District



### **Agenda Item Details**

Meeting	Jun 30, 2025 - 2024-25 Contracts BELOW \$250,000 (Superintendent Signature)
Subject	Agreement between Southeastern University and The School Board of Polk County, FL
Access	Public
Type	Action (Consent)
Recommended Action	Motion to approve the Articulation Agreement between Southeastern University and The School Board of Polk County, FL

### **Public Content**

#### **DESCRIPTION:**

The attached articulation agreement allows for students from PCSB CTAE Construction Academies to receive course credit at Southeastern University toward the Construction Technology program.

#### **CONTACT:**

Leann Bennett 863-519-8438 Ext 808  
Sr. Director Career, Technical & Adult Education

Josette Twait 863-519-8438 Ext 882  
Asst. Director Career, Technical & Adult Education

#### **WORK SESSION POWERPOINT PRESENTATION:** No

#### **FINANCIAL IMPACT: No Cost**

Amount:

Funds Reservation Number or Requisition Number:

Cost Center:

Fund:

Functional Area:

GL:

2024-25 Contracts Below \$250,000  
Agreement between Southeastern University and The School Board of Polk County, FL

## **Administrative Content**

## **Executive Content**

*Our adopted rules of Parliamentary Procedure, Roberts Rules, provide for a consent agenda listing several items for approval of the Board by a single motion. Documentation concerning these items has been provided to all board members in advance to assure an extensive and thorough review. Items may be removed from the consent agenda at the request of any board member.*

Workflow  
Workflow

Aug 27, 2024 9:08 AM :: Submitted by Namita Jaitly. Routed to Leann Bennett for approval.  
Aug 27, 2024 9:15 AM :: Approved by Leann Bennett. Routed to Anne Pasco for approval.  
Aug 27, 2024 12:56 PM :: Approved by Anne Pasco. Routed to Michael Kragh for approval.  
Aug 27, 2024 1:04 PM :: Approved by Michael Kragh. Routed to Joseph Mcnaughton iii for approval.  
Aug 28, 2024 8:10 AM :: Approved by Joseph Mcnaughton iii. Routed to Wes Bridges for approval.  
Aug 29, 2024 10:25 AM :: Approved by Wes Bridges. Routed to Carol Matthews for approval.  
Aug 29, 2024 10:47 AM :: Approved by Carol Matthews. Routed to Heather Jenkins for approval.  
Aug 29, 2024 12:06 PM :: Approved by Heather Jenkins. Routed to Jason Pitts for approval.  
Aug 29, 2024 3:35 PM :: Final approval by Jason Pitts

**Last Modified by Jason Pitts on August 29, 2024**

## **ARTICULATION & ENROLLMENT AGREEMENT**

THIS ARTICULATION/CERTIFICATE ENROLLMENT AGREEMENT (the "Agreement") is made and entered into effective September 15, 2024 (the "Effective Date"), by and between Southeastern University, Inc. ("SEU") and The School Board of Polk County, FL (the "District").

### **WITNESSETH:**

WHEREAS, SEU is an institution of higher learning which offers baccalaureate and master's degree programs in several disciplines and which is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools; and

WHEREAS, District is a county wide school systems (The School Board of Polk County, FL) offering a high school Construction Academy program; and

WHEREAS, SEU and District desire to promote the most efficient and effective use of their resources and to offer students the broadest possible range of educational opportunities; and

WHEREAS, SEU and District desire to enter into an agreement to provide for the awarding of credits for those students who matriculate from School to SEU.

NOW THEREFORE, in consideration of the promises and mutual covenants of the parties contained herein and for other good and valuable consideration, the parties hereto agree as follows:

1. **Admission.** All students of the District shall complete and submit an application to matriculate at SEU and must otherwise meet qualifications for admission as set forth in the Southeastern University Catalog, which may be amended from time to time by SEU in its sole discretion. No student shall be guaranteed admission into specific majors at SEU.

2. **Award of Credits.** Upon matriculation to SEU, credits earned by students of the District shall be transferred as follows:

A. **Check if Applicable** \_\_\_\_\_. For Students who have earned an Associate of Arts ("AA") degree from the District, SEU will accept sixty (60) hours of credit to be transferred and applied toward SEU's general education requirements and the awarding of a baccalaureate degree from SEU. Courses will transfer as described in the attached Program Articulation/Course Equivalency Chart.

B. **Check if Applicable** \_\_\_\_\_. For Students who have earned an Associate of Science ("AS") degree from the District, SEU will accept forty five (45) hours of credit to be transferred and applied toward SEU's general education requirements and the awarding of a baccalaureate degree from SEU. Based on the SEU degree program which the student is pursuing, additional credits may be transferred for those District courses that correspond with SEU required courses or electives. Courses will transfer as described in the attached Program Articulation/Course Equivalency Chart.

C. ***Check if Applicable*** \_\_\_\_\_. For Students who have earned an Associate of Applied Science ("AAS") degree from the District, SEU will accept forty five (45) hours of credit to be transferred and applied toward SEU's general education requirements and the awarding of a baccalaureate degree from SEU. Based on the SEU degree program that the student is pursuing, additional credits may be transferred for those District courses that correspond with SEU-required courses or electives. Courses will transfer as described in the attached Program Articulation/Course Equivalency Chart.

D. ***Check if Applicable***  \_\_\_\_\_. Students of the District shall be eligible to receive credits for those courses set forth in the Program Articulation/Course Equivalency Chart Addendum attached hereto, subject to the conditions set forth in such Addendum.

E. ***Check if Applicable*** \_\_\_\_\_. Students of the District shall earn academic credit for courses set forth in the Dual Enrollment Addendum attached hereto, subject to the conditions set forth in such Addendum.

F. Authority over all academic policies or practices not mentioned in this Agreement shall remain with SEU.

3. **Joint Cooperation.** SEU's and District's academic affairs, registrar, and advising offices will collaborate, meeting at least annually, to discuss the articulation process and to update the District on SEU general education requirements. The parties agree to monitor the performance of this Agreement and periodically review the Agreement to strengthen the articulation between District and SEU. District and SEU shall each appoint a representative to serve as a liaison to the other party with respect to this Agreement.

4. **Promotion/Outreach.** The district agrees to publicize this Agreement to prospective students and inform qualified students matriculating to SEU of the opportunities and benefits under the terms of this Agreement. The district grants SEU permission to inform District students about SEU's programs by mail or email correspondence or on-campus visits (subject to approval by the School of time and location).

6. **Confidentiality.** The parties agree that all individual student records, including names, whether academic, personal, or otherwise, shared between SEU and the District to facilitate enrollment in either institution shall be treated as private and confidential. SEU and District commit to using the records acquired collectively for institutional purposes only and in compliance with FERPA law.

7. **Term and Termination.** This Agreement shall be effective from the Effective Date and shall continue in effect from year to year, unless terminated as provided below. Either party may terminate this Agreement for any reason, with or without cause, upon thirty (30) day advance written notice to the other party. Notwithstanding any such termination, all terms remain in force through the end of any course ongoing on the date of any such termination and for any student who began at either institution prior to the termination date and maintains continuous enrollment.

8. **Notice.** Any notice required or authorized under this Agreement shall be in writing and

shall be deemed given when sent by United States mail, postage prepaid, certified and return receipt requested, or by hand deliver, address as follows:

To SEU: Southeastern University, Inc.  
1000 Longfellow Boulevard  
Lakeland, Florida 33801  
Attention: Provost

To DISTRICT: The School Board of Polk  
County, FL  
1915 S Floral Ave.  
Bartow, FL 33830  
Attention: Senior Director of Career, Technical, and Adult  
Education

Either party may subsequently change its address contained in this notice provision by giving the other party written notice of said change in accordance with the provisions of this paragraph.

9. **Non-Exclusive.** This Agreement is not an exclusive contract, and nothing in this Agreement shall be construed as limiting the right of either party to affiliate or contract with any other entity on a limited or general basis while the Agreement is in effect.

10. **Assignment.** Neither party may assign this Agreement or delegate its duties hereunder to a third person or entity without the prior express written consent of the other party.

11. **Amendment.** This Agreement may only be modified or amended by mutual written agreement of the parties. An authorized representative of each party shall sign any such modification or amendment, which shall be attached to and become part of this Agreement.

12. **Entire Agreement.** This Agreement, including the attached Program Articulation/Course Equivalency Chart and Addendum (if any), contains the entire agreement of the parties hereto and supersedes all prior oral or written negotiations, representations, agreements, understandings, proposals, or undertakings with respect to the subject matter thereof.

IN WITNESS WHEREOF, the parties have hereto executed this Agreement as of the day and year first written above.

University:

**SOUTHEASTERN UNIVERSITY, INC.**

By:

*Meghan Griffin*

Meghan L. Griffin, Ph.D

Provost

District:

**THE SCHOOL BOARD OF POLK  
COUNTY, FLORIDA**

By:



Print Name: Frederick Heid

Title: Superintendent

## Articulation and Certification Addendum

THIS ARTICULATION ADDENDUM (the "Addendum") is made and entered into effective August 22, 2024 (the "Effective Date"), by and between **Southeastern University, Inc.** ("SEU") and **The School Board of Polk County, FL** (the "District").

1. Beginning with the Spring 2025 semester, the following will be offered to PCPS Construction Academy students:

- a. Provided that the PCPS Construction Academy student has completed the Homebuilders Institute Core Pact and the student has passed the HBI industry certification exam, the student will earn six credit hours applied to the Construction Technology program at SEU.

or;

- b. Provided that the student has completed four years of PCPS Construction Academy and has passed the HBI industry certification exam, the student will earn nine credit hours applied to the Construction Technology program at SEU.

IN WITNESS WHEREOF, the parties have hereto executed this Agreement as of the day and year first written above.

University:

District:

**SOUTHEASTERN UNIVERSITY, INC.**

**THE SCHOOL BOARD OF POLK  
COUNTY, FLORIDA**

By:

*Meghan Griffin*

Meghan L. Griffin, Ph.D

Provost

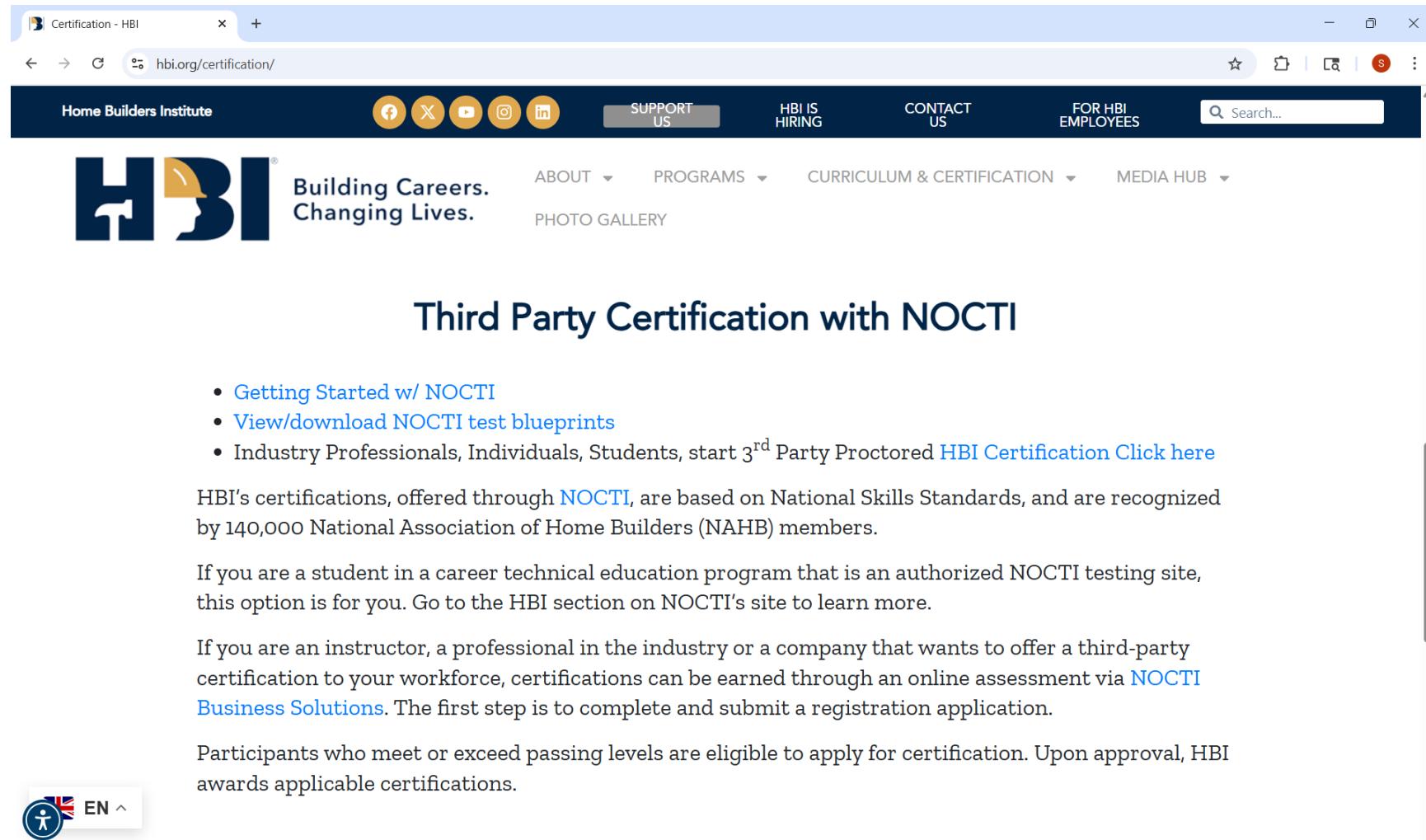
By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

## **Exhibit 2**

To pre-register for the HBI PACT Residential Construction Principles exam, the test candidate will need to click on the “Industry Professionals, Individuals, Students, start 3<sup>rd</sup> Party Proctored” link on the HBI Certifications webpage (<https://hbi.org/certification/>).



The screenshot shows a web browser window for the HBI Certifications page. The page features the HBI logo and tagline "Building Careers. Changing Lives." The navigation menu includes links for About, Programs, Curriculum & Certification, Media Hub, and Photo Gallery. A search bar is also present. The main content section is titled "Third Party Certification with NOCTI" and contains a bulleted list of links: "Getting Started w/ NOCTI", "View/download NOCTI test blueprints", and "Industry Professionals, Individuals, Students, start 3<sup>rd</sup> Party Proctored [HBI Certification Click here](#)". Below this, text explains that HBI's certifications are based on NOCTI standards and recognized by NAHB members. It then provides options for students, instructors, and professionals to learn more about the certification process.

- [Getting Started w/ NOCTI](#)
- [View/download NOCTI test blueprints](#)
- Industry Professionals, Individuals, Students, start 3<sup>rd</sup> Party Proctored [HBI Certification Click here](#)

HBI's certifications, offered through [NOCTI](#), are based on National Skills Standards, and are recognized by 140,000 National Association of Home Builders (NAHB) members.

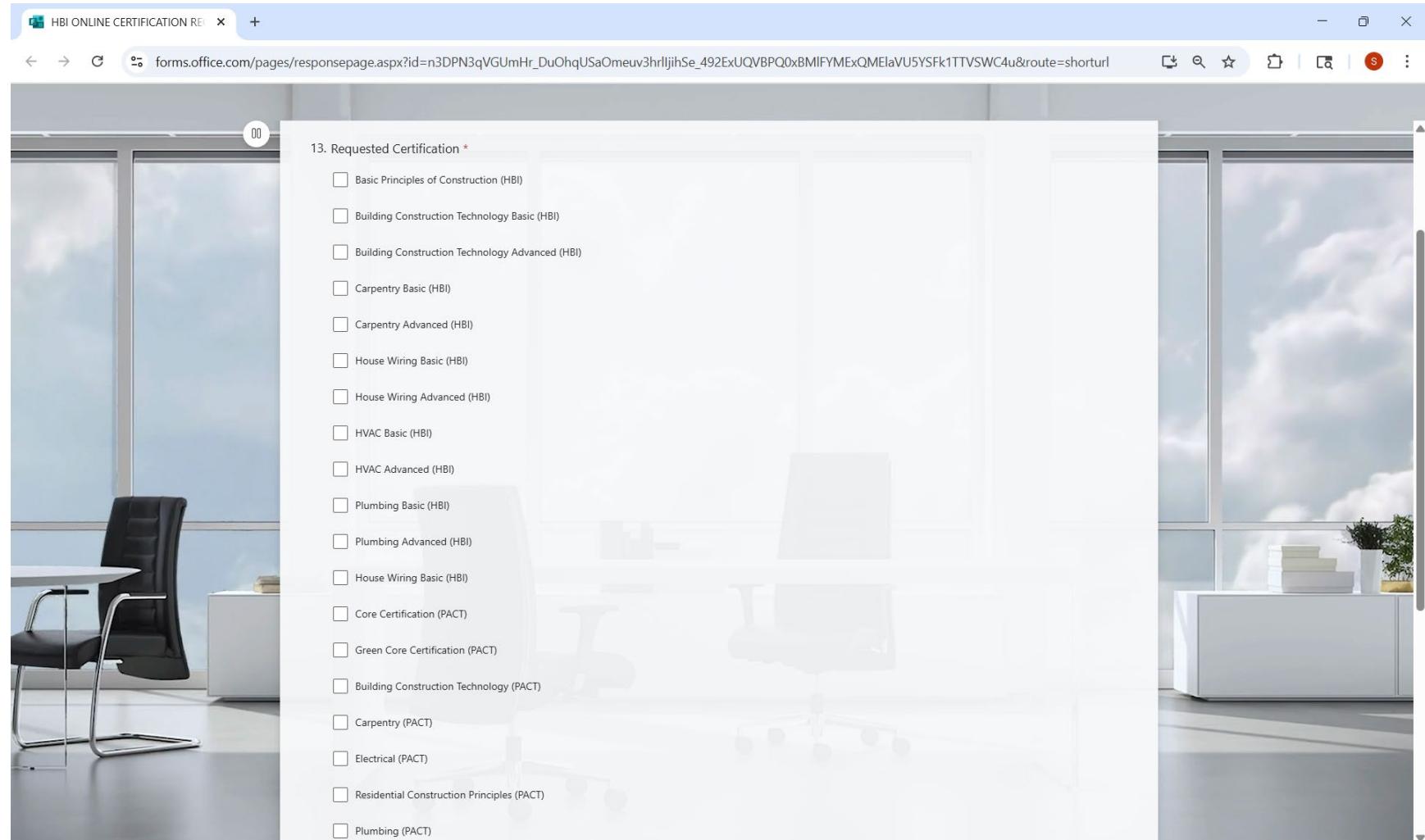
If you are a student in a career technical education program that is an authorized NOCTI testing site, this option is for you. Go to the HBI section on NOCTI's site to learn more.

If you are an instructor, a professional in the industry or a company that wants to offer a third-party certification to your workforce, certifications can be earned through an online assessment via [NOCTI Business Solutions](#). The first step is to complete and submit a registration application.

Participants who meet or exceed passing levels are eligible to apply for certification. Upon approval, HBI awards applicable certifications.

 EN ^

After entering test candidate information on the first and second pages of the HBI Online Certification Registration Form, the third page of the form will allow test candidates to select Residential Construction Principles (PACT) and submit the form for pre-registration.



The screenshot shows a Microsoft Forms page titled "HBI ONLINE CERTIFICATION RE". The main content area is a question titled "13. Requested Certification \*". Below the title is a list of 17 certification options, each preceded by an empty square checkbox. The options are:

- Basic Principles of Construction (HBI)
- Building Construction Technology Basic (HBI)
- Building Construction Technology Advanced (HBI)
- Carpentry Basic (HBI)
- Carpentry Advanced (HBI)
- House Wiring Basic (HBI)
- House Wiring Advanced (HBI)
- HVAC Basic (HBI)
- HVAC Advanced (HBI)
- Plumbing Basic (HBI)
- Plumbing Advanced (HBI)
- House Wiring Basic (HBI)
- Core Certification (PACT)
- Green Core Certification (PACT)
- Building Construction Technology (PACT)
- Carpentry (PACT)
- Electrical (PACT)
- Residential Construction Principles (PACT)
- Plumbing (PACT)



## Exhibit 3

### **BOARD MEMBERS**

**Dr. William Allen**  
Board Chair  
District 1

**Justin Sharpless**  
Board Vice-Chair  
District 6

**Lori Cunningham**  
District 2

**Rick Nolte**  
District 3

**Sara Beth Wyatt**  
District 4

**Kay Fields**  
District 5

**Lisa Miller**  
District 7

**C. Wesley Bridges, II**  
General Counsel

### **ADMINISTRATION**

**Frederick R. Heid**  
Superintendent

Office of Career, Technical, and Adult Education  
Industrial, Manufacturing, and Technology  
1915 S. Floral Ave  
Bartow, Florida 33830  
863.519.8438 xt. 882  
josette.twait@polk-fl.net

September 30, 2025  
Credentials Review Committee  
CareerSource Florida  
PO Box 13179  
Tallahassee, FL 32317

### **Re: HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles Certifications**

To Whom it May Concern:

Polk County Public Schools would like to express our full support of the HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications, for addition to the 2025-26 Master Credentials List (MCL) and for the HBI PACT Core and HBI PACT Core Green to remain on the 2025-26 MCL.

One of the primary workforce development sectors in our region is building construction trades. Success in this space requires developing a strong talent pipeline that supports local companies. Similarly, providing incumbent workers with the ability to relearn skills such as those in plumbing and residential construction provide competitiveness and flexibility in small and large-scale construction industries.

There is a growing recognition that earning an industry certification in career and technical education (CTE) programs can provide the skilled talent needed without requiring a college degree. Having the HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction

**STUDENTS FIRST**



1915 S. Floral Ave.  
Bartow, FL 33830



P.O. Box 391  
Bartow, FL 33831



863-534-0500



[polkschoolsfl.com](http://polkschoolsfl.com)

Principles certifications on the Master Credentials List gives us a competitive advantage as we educate our next generation of CTE students.

- Attaining HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications are of high value to our local building trades and construction companies.
- HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications align with our regional industry targets in building trades and construction as one of our local keystone industries. Careers in building trades and construction are in high demand, and we expect this demand to continue growing.
- Many job seekers, whether rising students or military veterans, benefit from the industry certification process, leading to very little lag in hiring. Local companies recognize the value of HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications and compete to hire graduates.

Therefore, we would like to confirm our full support for the HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications to be added to the 2025-26 MCL and the HBI PACT Core and HBI PACT Core Green to remain on the 2025-26 MCL.

Sincerely,

Josette Twait  
CTAE Assistant Director  
Industrial, Manufacturing, and Engineering



1915 S. Floral Ave.  
Bartow, FL 33830



P.O. Box 391  
Bartow, FL 33831



863-534-0500



polkschoolsfl.com



September 24, 2025

Credentials Review Committee  
CareerSource Florida  
PO Box 13179  
Tallahassee, FL 32317

**RE: HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications**

To Whom it May Concern:

Central Florida Development Council (CFDC) would like to express our full support of the HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications, for addition to the 2025-26 Master Credentials List (MCL) and for the HBI PACT Core and HBI PACT Core Green to remain on the 2025-26 MCL.

One of the primary workforce development sectors in our region is building construction trades. Success in this space requires developing a strong talent pipeline. Similarly, providing incumbent workers with the ability to relearn skills such as those in plumbing and residential construction provide competitiveness and flexibility in small and large-scale construction industries.

There is a growing recognition that earning an industry certification in career and technical education (CTE) programs can provide the skilled talent needed without requiring a college degree. Having the HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications on the Master Credentials List gives us a competitive advantage as we educate our next generation of CTE students.

- Attaining HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications are of high value to Polk County construction companies.
- HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications align with our regional industry targets. Careers in building trades and construction are in high demand, and we expect this demand to continue growing.
- Many job seekers, whether rising students or military veterans, benefit from the industry certification process, leading to very little lag in hiring. Local companies recognize the value of HBI PACT Core, HBI PACT Core Green, HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications and compete to hire graduates.

Therefore, we confirm our full support for the HBI PACT Plumbing and HBI PACT Residential Construction Principles certifications to be added to the 2025-26 MCL and the HBI PACT Core and HBI PACT Core Green to remain on the 2025-26 MCL.

Sincerely,

A handwritten signature in black ink, appearing to read "Sean Malott".

Sean Malott  
President & CEO  
sean@cfdc.org

**September 30, 2025**

Credentials Review Committee  
CareerSource Florida  
P.O. Box 13179  
Tallahassee, FL 32317

**Subject: Formal Endorsement for Inclusion of HBI PACT Certifications on the State Master Credentials List**

Dear Credentials Review Committee:

On behalf of CareerSource Polk, I am writing to formally express our strong support for the inclusion of the following Home Builders Institute (HBI) Pre-Apprenticeship Certificate Training (PACT) certifications on the State Master Credentials List:

- HBI PACT Core
- HBI PACT Core Green
- HBI PACT Building Construction Technology
- HBI PACT Carpentry
- HBI PACT Electrical
- HBI PACT Plumbing
- HBI PACT Residential Construction Principles

These certifications represent high-quality, industry-recognized credentials that are aligned with the workforce demands of Florida's construction sector. The recent articulation agreement between Polk County Public Schools and Southeastern University further enhances the value of these credentials by awarding postsecondary credit toward a Bachelor of Science in Construction Technology. This agreement establishes a clear and efficient pathway from secondary education to postsecondary attainment and career entry.

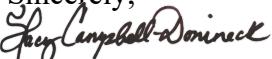
CareerSource Polk recognizes the strategic importance of credentialing frameworks that support both academic progression and workforce readiness. The HBI PACT certifications meet these objectives by:

- Validating essential competencies required in the construction industry
- Facilitating accelerated postsecondary enrollment and completion
- Enhancing employability and career advancement opportunities for students
- Contributing to the development of a skilled and sustainable talent pipeline

We commend the collaborative efforts of Polk County Public Schools and Southeastern University in establishing this articulation agreement and urge CareerSource Florida to approve the inclusion of these certifications on the Master Credentials List. Doing so will reinforce the value of industry-aligned education and support the continued growth and competitiveness of Florida's workforce.

Thank you for your consideration of this important request.

Sincerely,



**Stacy Campbell-Domineck**

President & Chief Executive Officer  
CareerSource Polk

[info@careersourcepolk.com](mailto:info@careersourcepolk.com)

600 N Broadway Ave., Suite B | Bartow, FL 33830

p: 863.508.1600 | f: 863.508.1601



September 23, 2025

Credentials Review Committee  
CareerSource Florida  
PO Box 13179  
Tallahassee, FL 32317

**RE: Residential Construction Principles and Plumbing Industry Certifications**

To Whom it May Concern:

On behalf of the Greater Orlando Builders Association ("GOBA") and the 800 companies that GOBA represents in the central Florida homebuilding industry, we would like to express our full support for Home Builders Institute's (HBI) Residential Construction Principles and Plumbing industry certifications, for addition to the 2025-26 Master Credentials List.

The continued growth of the Construction industry is again lifting the U.S. economy and is significantly aided by the emergence of trained workers in the skilled trades. Building construction and plumbing skills are a key driver of competitiveness and flexibility in both small and large-scale jobs throughout both the state of Florida and the U.S.

Amid a significant shortage of skilled workers across many industries, the Residential Construction Principles and Plumbing industry certifications address the critical factor of talent development. There is growing recognition that industry certifications are an excellent solution to the continued resource challenges.

The Residential Construction Principles and Plumbing certifications have improved the quality and quantity of skilled workers entering our workforce. These certifications provide students with a path to well-paid employment, which benefits the local economy. These certifications also support continued education for veterans of the armed services, many of whom had technical jobs in their military careers and are interested in moving into private sector employment when they exit the military.

We look forward to continued collaboration on the attainment of these valuable industry certifications.

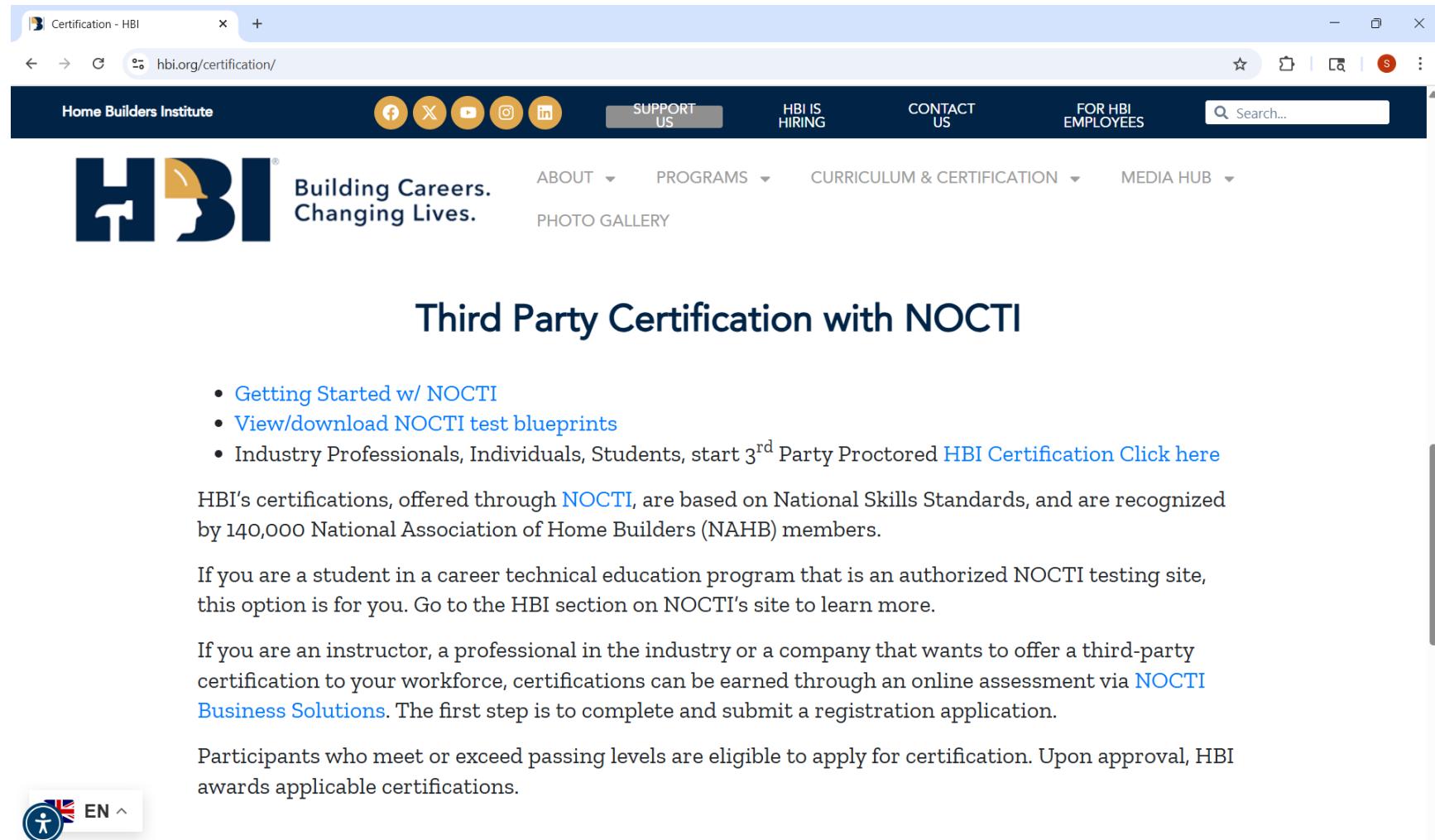
Best regards,

A handwritten signature in black ink, appearing to read "Chassity Vega".

Chassity Vega  
Chief Executive Officer

## **Exhibit 4**

To view the NOCTI blueprint for the HBI PACT: Residential Construction Principles exam, click on the “View/download NOCTI test blueprints” link on the HBI Certifications webpage (<https://hbi.org/certification/>).



The screenshot shows a web browser window with the HBI (Home Builders Institute) website loaded. The URL in the address bar is [hbi.org/certification/](https://hbi.org/certification/). The page features the HBI logo and tagline "Building Careers. Changing Lives." The navigation menu includes links for ABOUT, PROGRAMS, CURRICULUM & CERTIFICATION, MEDIA HUB, and PHOTO GALLERY. A search bar is located in the top right corner. The main content area is titled "Third Party Certification with NOCTI" and contains the following text and list:

HBI's certifications, offered through **NOCTI**, are based on National Skills Standards, and are recognized by 140,000 National Association of Home Builders (NAHB) members.

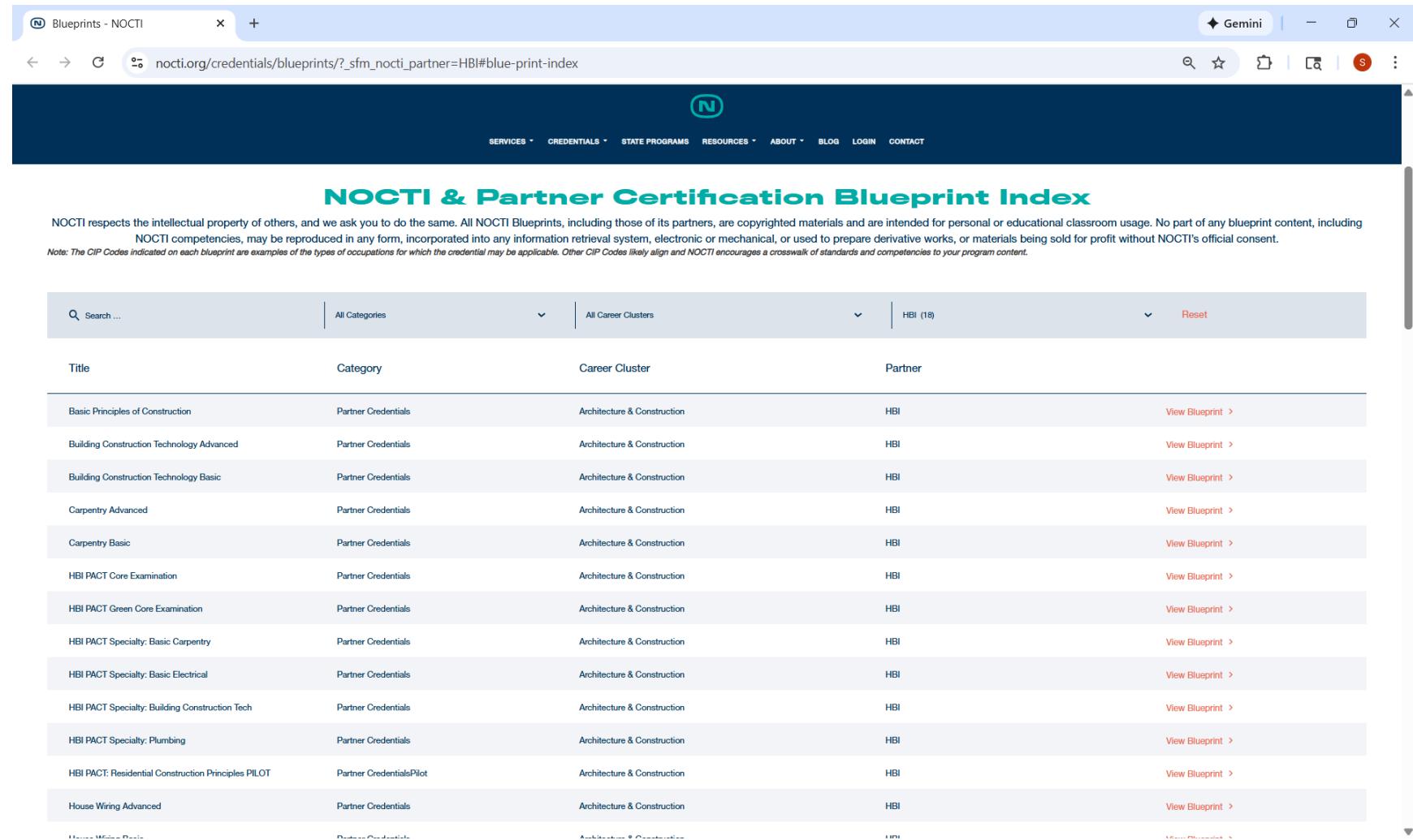
If you are a student in a career technical education program that is an authorized NOCTI testing site, this option is for you. Go to the HBI section on NOCTI's site to learn more.

If you are an instructor, a professional in the industry or a company that wants to offer a third-party certification to your workforce, certifications can be earned through an online assessment via **NOCTI Business Solutions**. The first step is to complete and submit a registration application.

Participants who meet or exceed passing levels are eligible to apply for certification. Upon approval, HBI awards applicable certifications.

At the bottom left, there is a language selection button with a person icon and the text "EN ^".

Click on the “View Blueprint” next to “HBI PACT: Residential Construction Principles PILOT” to view the exam blueprint document issued by NOCTI.



The screenshot shows a web browser displaying the NOCTI Blueprint Index. The page title is "NOCTI & Partner Certification Blueprint Index". The header includes a search bar, navigation links for SERVICES, CREDENTIALS, STATE PROGRAMS, RESOURCES, ABOUT, BLOG, LOGIN, and CONTACT, and a logo with a stylized 'N'.

Below the header, a note states: "NOCTI respects the intellectual property of others, and we ask you to do the same. All NOCTI Blueprints, including those of its partners, are copyrighted materials and are intended for personal or educational classroom usage. No part of any blueprint content, including NOCTI competencies, may be reproduced in any form, incorporated into any information retrieval system, electronic or mechanical, or used to prepare derivative works, or materials being sold for profit without NOCTI's official consent. Note: The CIP Codes indicated on each blueprint are examples of the types of occupations for which the credential may be applicable. Other CIP Codes likely align and NOCTI encourages a crosswalk of standards and competencies to your program content."

The main content is a table with the following columns: Title, Category, Career Cluster, Partner, and a "View Blueprint" link. The table lists the following credentials:

Title	Category	Career Cluster	Partner	View Blueprint
Basic Principles of Construction	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
Building Construction Technology Advanced	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
Building Construction Technology Basic	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
Carpentry Advanced	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
Carpentry Basic	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Core Examination	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Green Core Examination	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Specialty: Basic Carpentry	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Specialty: Basic Electrical	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Specialty: Building Construction Tech	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT Specialty: Plumbing	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
HBI PACT: Residential Construction Principles PILOT	Partner CredentialsPilot	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>
House Wiring Advanced	Partner Credentials	Architecture & Construction	HBI	<a href="#">View Blueprint &gt;</a>

At the bottom of the page, there are links for Home, About, Services, Credentials, Resources, and Contact.

# Pilot Assessment

Content is Subject To Change Prior to Full Implementation



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## **HBI Pre-Apprenticeship Certificate Training (PACT) Residential Construction Principles**

Test Code: 9982 / Version: 01



***CUSTOMIZED ASSESSMENT BLUEPRINT***

**PACT Residential Construction Principles - PILOT**

**Test Code: 9982**

**Version: 01**

***Specific Competencies and Skills Tested in this Assessment:***

**Blueprints Measurements Math**

- 2.2.1 Identify dimensions, lines, scales, symbols, the title block on a blueprint, and notes.
- 2.4.1 Read a rule to the nearest 16th of an inch.
- 2.5.1 Add and subtract measurements.
- 2.5.4 Calculate square foot and linear foot measurements.
- 2.6.2 Calculate decimals using addition and subtraction.
- 2.7.4 Calculate fractions using multiplication and division.
- 2.7.7 Calculate mixed numbers by using addition, subtraction, multiplication, and division.
- 2.8.2 Calculate whole numbers using multiplication and division.
- 2.8.3 Use whole number to determine material dimensions needed for difficult or unusually shaped areas.
- 2.9.2 Calculate a percentage of a given number.
- 2.10.4 Use the Pythagorean Theorem to calculate hypotenuse (right angle or square) of a triangle.
- 2.11.1 Solve job-related problems by adding, subtracting, multiplying, and dividing numbers, using fractions, decimals, and whole numbers.

**Construction Materials**

- 9.1.2 Select appropriate tools and determine appropriate types of materials needed.
- 9.1.3 Demonstrate the ability to recognize proper fasteners/brackets.
- 9.2.2 Select appropriate tools and determine appropriate types of materials needed.
- 9.3.2 Select appropriate tools and determine appropriate types of materials needed.
- 9.5.3 Demonstrate the ability to recognize and troubleshoot soil and erosion problems.
- 9.7.2 Select appropriate tools and determine appropriate types of materials needed.

**PACT Residential Construction Principles - PILOT (continued)**

**Employability**

- 1.4.9 Create a resumé.
- 1.4.11 Practice and interview for a job.
- 1.5.5 Utilize critical thinking to make sense of problems and persevere in solving them.
- 1.5.7 Use technology to enhance creativity and productivity.
- 1.5.10 Arrive for work on time.
- 1.5.13 Describe the characteristics of a qualified person.
- 1.6.1 Identify the traits of an effective team.

**Fast Adhesive Sealant**

- 7.1.1 Differentiate types of nails, screws, anchors, and bolts.
- 7.2.1 Identify and describe uses for types of common construction adhesives.

**Job Site Safety**

- 5.1.3 Identify safe work practices.
- 5.2.3 Identify safety hazards and immediately inform a supervisor.
- 5.2.12 Comply with all applicable OSHA rules and regulations.
- 5.3.1 Select and wear proper safety attire on the job site including personal protective equipment (PPE).
- 5.3.2 Wear ANSI Z-87-approved safety glasses at all times while working.
- 5.3.7 Wear fall protection and connect to correct anchor points.
- 5.3.10 Describe the proper use and limitations of personal respiratory protection.
- 5.5.4 Recognize fire class labels.
- 5.5.7 Perform a fire drill.
- 5.6.1 Identify hazardous conditions associated with chemicals/supplies.
- 5.6.5 Describe safe handling of chemicals and hazardous materials.
- 5.6.6 Identify and locate the Safety Data Sheets (SDS) and follow the procedures as necessary.
- 5.6.7 Identify pictograms used on SDS forms.
- 5.7.2 Identify and describe the use of Ground Fault Circuit Interrupters (GFCIs).
- 5.8.2 Identify the safety hazards for internal combustion (gas) engines.
- 5.9.2 Identify and use first aid equipment.
- 5.9.3 Demonstrate how to control bleeding.
- 5.10.3 Follow all safety regulations for job site vehicles.

**Temporary Platform Safety**

- 6.1.2 Describe the methods to safely erect and dismantle scaffolds and platforms.
- 6.1.4 Identify and explain types of fall protection for scaffolds elevated above 6 feet.
- 6.2.1 Describes OSHA rule for proper ladder set up.
- 6.2.9 Inspect ladders before each use.
- 6.2.13 Describes OSHA rule for proper ladder set up.

**PACT Residential Construction Principles - PILOT (continued)**

**Tool Selection, Use, Care**

- 8.1.1 Identify and select the correct hand tool for a task.
- 8.1.4 Identify the various types of layout tools and procedures.
- 8.2.2 Identify types of pliers and wrenches and demonstrate proper use.
- 8.2.8 Demonstrate use of gauges and squares.
- 8.3.1 Identify and select the correct power tool for a task.
- 8.3.4 Identify proper grounding and insulation in power tools.
- 8.4.1 Demonstrate proper use of power saws.
- 8.4.2 Demonstrate proper use of drills.
- 8.4.11 Demonstrate proper use of impact tools.

***Written Assessment:***

Administration Time: 1 hour and 15 minutes

Number of Questions: 60

***Areas Covered:***

- 20% Blueprints Measurements Math
- 10% Construction Materials
- 12% Employability
- 3% Fast Adhesive Sealant
- 30% Job Site Safety
- 8% Temporary Platform Safety
- 17% Tool Selection, Use, Care

***Sample Questions:***

On a construction drawing, which type of line is typically used to indicate the extent of a dimension without touching the object itself?

- A. Dimension line
- B. Leader line
- C. Break line
- D. Grid line

A rectangular deck measures 15 feet by 10 feet. What is its area in square feet?

- A. 125
- B. 150
- C. 170
- D. 180

**PACT Residential Construction Principles - PILOT (continued)**

A project lists material cost of \$1,200. If the overhead is 15% and profit is 10%, what is the total contract amount?

- A. \$1,200
- B. \$1,380
- C. \$1,500
- D. \$1,620

Which fastener is generally best for exterior plywood seams to resist moisture and provide a strong hold?

- A. Roofing nails
- B. Wood screws
- C. Staples
- D. Glue

On a teamwork-focused job site, which soft skill most directly contributes to a reliable project schedule?

- A. Advanced math speed
- B. Clear communication
- C. Solo problem solving
- D. Fluency in a second language

Which PPE is specifically used to protect the eyes from flying debris during drilling or grinding?

- A. Hard hat
- B. Safety glasses
- C. Ear plugs
- D. Steel-toe boots

A tape measure shows 7 feet 3 1/2 inches. What is the length in inches only?

- A. 75 inches
- B. 87.5 inches
- C. 91.5 inches
- D. 93 inches

Which material is commonly used as the primary framing lumber in standard residential construction?

- A. 2x4 studs (actual 1.5 x 3.5 inches)
- B. 2x6 rafters
- C. 4x6 beams
- D. 6x6 posts

Which practice most improves accuracy before cutting or assembling components?

- A. Cutting first, then measuring
- B. Verifying measurements twice and marking clearly
- C. Asking another person to guess
- D. Skipping measurements if time is short

**PACT Residential Construction Principles - PILOT (continued)**

What is the primary purpose of a lockout/tagout procedure on equipment?

- A. To speed up maintenance
- B. To ensure machines are properly powered down to prevent accidental startup
- C. To label tools for inventory
- D. To organize workspaces



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## AP-000005

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Appeal ID	AP-000005	Status	Under Review
Reviewer		Name of Credential Denied:	SFMA Turfgrass Science Certification
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000552	Credential Information Site (https://)	<a href="https://www.sportsfieldmanagement.org/turfgrass-science-certification/">https://www.sportsfieldmanagement.org/turfgrass-science-certification/</a>

### Application Denial Reason

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### Applicant

Are you the Original Submitter?	Yes	Applicant Phone	7722191200 Ext. 30565
Applicant	Kevin Farrell	Applicant Email	<a href="mailto:farrelk@martinschools.org">farrelk@martinschools.org</a>
Applicant Title			

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### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	No
LMEC Area OF Concern	Yes	Credential Sequenced	

Credentialing Agency for Higher-Level

Recognized in 3+ Geographical Areas?

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### Dates

Appeal Submitted Date	11/14/2025	Appeal Start Date
14 Day Period		Appeal Completion Date

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### Supporting Information

Upload Copy of Denial Letter	<input checked="" type="checkbox"/>	Appeal Narrative	We ask for reconsideration for inclusion of SFMA Turfgrass Science Certification in the 2025-2026
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Master Credential List based on the following factors:  
\* The MCSD team reaffirms that the SFMA Turfgrass Management Certification fully aligns with SOC Code 37-1012 – First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers and meets the requirements established under the CareerSource Florida's Framework of Quality.

As outlined in the Credentials Review Committee Framework of Quality, the following evidence supports the certification's inclusion:

**Occupational Alignment**  
The SFMA Turfgrass Management Certification directly aligns with SOC 37-1012, which encompasses supervisory and management-level roles responsible for leading groundskeeping, landscaping, and turf operations. The competencies validated through the SFMA credentials such as turf management, safety, irrigation, and crew supervision—are consistent with this occupation's skill set and performance expectations.

**Regional Workforce Demand (Region 20)**  
According to current workforce data, Florida Workforce Region 20 reports 99 annual job openings associated with SOC 37-1012. This data clearly demonstrates ongoing and sustainable employment demand for certified professionals in Turfgrass Management within the region.

**Wage Thresholds and Framework of Quality Compliance**  
The mean hourly rate for SOC 37-1012 converts to an annual mean salary of \$56,035, exceeding the Framework of Quality benchmark of \$52,414. The entry-level salary for this occupation is \$38,251, which is also above the required \$36,061 threshold. These above listed metrics confirm that the SFMA Turfgrass Management Certification not only meets the Framework's wage and demand requirements but also supports high-skill, high-wage employment opportunities consistent with Florida's targeted industry needs.

As for CAPE Eligibility, we are somewhat perplexed, as a secondary school district, our MCL request was for a CAPE secondary level, and not post-secondary level.



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## MCLA - 000552

### Information

MCL Application ID	MCLA - 000552	Application Type	New Credential Application
Applicant	Kevin Farrell	Application Status	Not Eligible for MCL
Submission Date	9/30/2025	Approval Step Status	Rejected
Application Denied Date	11/6/2025	CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	No
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	Martin
Which type of submitter are you?	Florida School District	Choose the Florida College:	

### Credential Information

Name of the Credential	New Credential & CAPE: SFMA Turfgrass Science Certification	Program Title (if applicable)	CIP Number - 0101060511
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://www.sportsfieldmanagement.org/turfgrass-science-certification/">https://www.sportsfieldmanagement.org/turfgrass-science-certification/</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	Sports Field Management Association	CIP Number (if applicable)	
Cred Agency Contact: First/Last Name	Jennifer McLendon	Provide the SOC code for the credential.	37-1012

Cred. Agency Contact: Phone Number	832-493-1266	Addressing wage through the following?
Credentialing Agency Contact: Email	jmclendon@sportsfieldmanagement.org	Why is cred AG if not linked to AG SOC?
Website link with info on Cred. Agency	<a href="https://www.sportsfieldmanagement.org/">https://www.sportsfieldmanagement.org/</a>	Agricultural SOC Code Cred is linked to?

### Demand Information

Job opening criteria for local demand:	99	Industry sector of focus:	Life Sciences
LMEC Area of Concern?	Yes	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	2,445	Local plan/policy number of job openings	30
Explain critical local/statewide need:	Florida has the second-highest employment level for landscaping and groundskeeping workers in the country, with 82,770 employed, 2024. Florida's climate and tourism industry ensure year-round demand for landscaping and groundskeeping services in both public and private sectors	Describe credential's link to occupation	SFMA Turfgrass Science Certification offers a structured and comprehensive curriculum that aligns with the competencies local firms value. By equipping individuals with in-depth knowledge and practical skills pertinent to turfgrass science, this certification ensures that candidates are well-prepared to meet the demands of our industry.
Submitting for state/regional or local?	Local Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	No	Industry Validation Link (include https://)	<a href="https://www.sportsfieldmanagement.org/">https://www.sportsfieldmanagement.org/</a>

### Sequencing Information

Credential sequence to high-level cred.?	No	Higher Level Credentialing Agency	
Info on how Credential Sequences		Higher Level FDOE Certification Code	
Name of the higher level credential		Higher-Level Credential SOC Code	

### Endorser Information

Local Workforce Board Endorser	Brian Bauer	Education Institution Endorser	Wendy Schepman
Economic Development Org Endorser	William Corbin		

### CAPE Information

Submitting for CAPE funding eligibility?	Yes	Proctoring Website (include https://)	<a href="https://www.icevonline.com/proctoring-guidelines">https://www.icevonline.com/proctoring-guidelines</a>
Test developed/issued by 3rd party?	Yes	Select proctoring option(s) available:	The candidate and proctor are in the same physical location; The option for remote proctoring is available when needed; A virtual proctor is required
Is 3rd party linked to regulatory body?	Yes	Describe the exam distribution process.	The candidate must log into the iCEV Testing Platform with their credentials. Once the student has logged in then the proctor gains the ability to unlock the exam for the student. Once the proctor has unlocked the exam then the exam is unlocked for the student to begin.
Regulatory bodies oversee recognition?	Yes	How long can proctor access exam for?	The proctor does not have access to the exam. The proctor can only see the exam as a test candidate is actively taking the exam.
Partnerships between institutions?	No	Exams proctored securely?	Yes
How cert. qualify as AG under 570.07, FS	The SFMA Turfgrass Science Certification is connected to agriculture by allowing individuals to demonstrate a broad understanding of the knowledge related to the turfgrass science industry. Concepts such as turfgrass benefits, anatomy, identification, adaptations, environment, cultural practices, and playing surface preparation are addressed and evaluated. These are all skills very present in the horticulture industry	Methods confirming candidate's identity	Certification candidates log in to the testing platform using credentials unique to them. The proctor must release the exam one student at time. The proctor may verify students' identity by using a
Exam ADAAA Compliance publicly available	Yes	Processes identifying test irregularity:	If irregularities are discovered by the proctor or the testing platform, the certification candidate will be required to re-take the exam under the observation of a different proctor. If irregularities are repeated, students will be asked to complete the exam with an evaluator from the district in place. If cheating occurs, the candidate forfeits their opportunity to re-take the exam. If cheating is discovered after the test taker has successfully completed the certification, the proctor, teacher, or a school administrator should reach out to iCEV to invalidate the score.
		Procedures for invalidating scores:	It is the responsibility of the proctor to ensure all certification candidates follow the certification exam rules and guidelines. A proctor must be signed in to the iCEV Testing Platform to administer the exam, and iCEV offers an artificial intelligence tool that shows red flags on test takers that attempt to move off of the certification website. If the proctor observes any behavior that violates the rules and guidelines, the proctor must take necessary actions to prevent further violations. If cheating is discovered after the test taker

				has successfully completed the certification, the proctor, teacher, or a school administrator should reach out to iCEV to invalidate the score
Exam Number	O (N/A) Will be acquired once approved by MCL			
Exam Website (include https://)	<a href="https://www.icevonline.com/turfgrass">https://www.icevonline.com/turfgrass</a>	How is the exam scored?		The certification exam is weighted based on the weight of the industry standards the exam tests for. For example, if an industry standard is 20% of the certification exam, 20 questions on the 100 question exam will test over that industry standard. Each question is then worth one point for a correct answer. A 70% success rate is required for earning the certification.
How are candidates registered for exam?	Students can be invited via registration code to register for an account from which they will take the certification exam. The invitation can come from a teacher or school administrator. The assigned proctor must give access to students to begin the certification exam.	Are written exams scored by cert agency?		Yes
Exam registration process public?	Yes	Cert is obtainable without curriculum?		No
Are exam details publicly available?	Yes			
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?		Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?		99,999
Does the credential expire?	No	New version of exam for each retake?		No
Are these required to earn credential?	Work experience; Secondary or post-secondary graduation; Specific course or curriculum	Required waiting period between retakes?		Yes
Is success based on written/performance?	No	Waiting period between retakes?		If a candidate requests to retake a certification exam, it is left to the discretion of educational personnel to decide if and when a candidate can retake the exam.
Is a certificate/badge issued on success	Yes	Testing time limit applies to all exams?		Yes
Short Summary of the requirement.	If a candidate requests to retake a certification exam, it is left to the discretion of educational personnel to decide if and when a candidate can retake the exam.			
Skills and competencies assessed on exam	The SFMA (Sports Field Management Association) Turfgrass Science Certification exam assesses a variety of skills and competencies necessary for professionals involved in			

turfgrass and sports field management. Here's a summary of the key skills evaluated in the exam:

1. Benefits of Turfgrass (5%)  
Benefits of Turfgrass  
turfgrass is beneficial to the environment, community and economy
2. Turfgrass Anatomy, Identification & Adaptations (20%)  
Turfgrass Anatomy & Adaptations  
growth and development of a turfgrass area  
anatomical structure of turfgrass  
turfgrass development  
climatic adaptations for turfgrass
3. Turfgrass Environment (25%)  
Turfgrass Growth Requirements  
physiological processes turfgrasses undergo, such as photosynthesis, respiration and transpiration  
growth requirements for turfgrass species
4. Turfgrass Cultural Practices (30%)  
Turfgrass Management: Practices  
turfgrass establishment from various methods  
irrigation management techniques  
management techniques of mowing, aeration and topdressing

Turfgrass Management: Controls  
nutrient management in a turfgrass system  
various fertilizers and herbicides used for turfgrass  
management controls  
Integrated Pest Management system  
Turfgrass Management: Weeds  
weeds found in turfgrass  
characteristics of a weed's biology  
reasons for weed invasions  
control weeds in turfgrass systems  
Turfgrass Management: Insects  
insect management steps  
insect development  
insect's lifecycle and biology  
insect pests  
control insect pests in turfgrass systems  
Turfgrass Management: Diseases  
symptoms and signs of diseases  
disease pyramid  
various areas a disease occurs on a turfgrass system  
various disease pests  
ways to control disease pests in turfgrass systems

5. Playing Surface Preparation (20%)

Understanding Playing Surfaces  
To examine natural, synthetic and hybrid turfgrass  
systems  
To evaluate desirable aspects of playing surfaces and  
specific turfgrass species  
To understand irrigation management for a playing  
surface  
Playing Surface Preparation  
To examine the preparation practices related to  
rectangular, softball and baseball  
fields  
To investigate the preparation practices associated with  
golf courses  
To explore the processes of logo painting and field  
marking on playing surfaces  
Playing Surface Management  
To analyze the management practices for natural  
turfgrass playing surfaces  
To examine the management practices for synthetic  
turfgrass playing surfaces  
Turfgrass Growth Journal Capstone  
To summarize turfgrass management practices

- Summary of the Exam:

The SFMA Turfgrass Science Certification exam is a  
comprehensive industry  
credential designed to evaluate the practical knowledge  
and expertise of individuals  
in the field of turfgrass and sports field management.  
The 100-question exam

consists of multiple-choice questions that cover the above competencies. The test candidates have up to 2 hours to complete the exam. The certification is intended for professionals working in turfgrass management for sports fields, parks, golf courses, or any areas where turf maintenance is crucial. The purpose of the certification is to ensure that professionals are skilled in maintaining healthy, safe, and sustainable turf environments, especially for sports activities.

<b>Skills/competencies assessed on cert:</b>	<p>The SFMA Turfgrass Science industry certification assesses a range of skills and competencies related to the management and maintenance of sports fields and turfgrass areas. These include:</p> <p><b>Turfgrass Management:</b> Knowledge of various turfgrass species, their growth requirements, and how to maintain healthy turf. This includes mowing, irrigation, aeration, and fertilization practices.</p> <p><b>Soil Science and Fertility:</b> Understanding soil types, testing, and amending soils to optimize turf growth, including nutrient management and soil pH adjustments.</p> <p><b>Pest Management:</b> Identifying, controlling, and preventing pests, diseases, and weeds that affect turfgrass health. This involves integrated pest management (IPM) strategies and proper use of pesticides.</p> <p><b>Irrigation and Water Management:</b> Designing, installing, and managing irrigation systems for turfgrass, ensuring efficient water use, and understanding irrigation schedules based on turf needs and environmental conditions.</p> <p><b>Sports Field Maintenance:</b> Specific skills related to maintaining sports fields, including marking fields, managing traffic patterns, and ensuring safe and playable surfaces for athletes.</p> <p><b>Sustainability Practices:</b> Knowledge of environmentally responsible practices in turfgrass management, such as water conservation, soil health improvement, and reducing chemical usage.</p> <p><b>Equipment Operation and Maintenance:</b> Proficiency in using turf management equipment (mowers, aerators, sprayers, etc.) and maintaining it for optimal performance.</p> <p><b>Safety and Compliance:</b> Understanding safety</p>
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protocols in turfgrass management, including equipment safety, chemical handling, and workplace safety regulations. This certification ensures professionals in turfgrass management possess the necessary skills to create and maintain high-quality turf environments, especially for sports fields and recreational areas.

Describe Cred's Link to Occupation (CAPE)	The occupation Landscaping and Groundskeeping Workers includes tasks related to the care and maintenance of landscapes and outdoor spaces, which align closely with the skills and competencies assessed by the SFMA Turfgrass Science Certification. This certification verifies an individual who has the fundamental competencies necessary to pursue a position in sports field management. Those who earn the certification are more qualified and prepared to enter high-demand roles within the turfgrass industry. The skills and competencies assessed by the SFMA Turfgrass Science Certification are highly relevant to the tasks performed by Landscaping and Groundskeeping Workers (37-3011). Both roles require proficiency in turfgrass management, soil science, pest control, irrigation, equipment operation, sustainability practices, and safety, making the SFMA Certification an excellent way to enhance the qualifications of workers in this occupation.		
Select the approach of exam questions:	Questions are standardized and all candidates answer the same questions		
Select the format(s) of credential exam:	Computer-based exam		
Can the exam be taken before graduation?	Yes		
Record Type	Not Eligible MCL Application	MCL Credential	CRED-005267
Section	Submitter Information	Last Modified By	Kevin Farrell, 11/14/2025 8:40 AM

## Files

### MCLA-0552 data- MCSD

Last Modified 9/30/2025 4:23 PM

Created By Kashish Pathak

SFMA Support Letter SFHS WS

### MCL Application PDF - a1uPU000007OoMDYA0

Last Modified 9/30/2025 11:32 AM

Created By Kevin Farrell

SFMA Turfgrass Science LOS



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## AP-000006

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Appeal ID	AP-000006	Status	Under Review
Reviewer		Name of Credential Denied:	World Association of Master Chefs Culinary Foundations
Additional info. for denied credential?	Yes	Select the Type of Credential Denied:	Industry Certification
Credential Application Denied	MCLA - 000522	Credential Information Site (https://)	<a href="https://certiport.pearsonvue.com/Certifications/HCAC/Certification/Certify">https://certiport.pearsonvue.com/Certifications/HCAC/Certification/Certify</a>
Application Denial Reason			

### Applicant

Are you the Original Submitter?	Yes	Applicant	Timothy Burdette	Applicant Phone	407-518-4580
Applicant Title				Applicant Email	<a href="mailto:timothy.burdette@osceolaschools.net">timothy.burdette@osceolaschools.net</a>

### Denial Matrix/Framework of Quality

On FloridaCommerce Regional Demand List?	Yes	Sequence to Higher-level Credential?	Yes
LMEC Area OF Concern	No	Credential Sequenced	Foundations: World Associate of Master Chefs - Culinary Foundations Entry-Level: Worldchefs Certified Commis Chef Intermediate: Worldchefs Certified Chef de Partie
		Credentialing Agency for Higher-Level	Worldchefs and American Culinary Federation
		Recognized in 3+ Geographical Areas?	

### Dates

Appeal Submitted Date	11/14/2025	Appeal Start Date
14 Day Period		Appeal Completion Date



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## MCLA - 000522

### Information

MCL Application ID	MCLA - 000522	Application Type	New Credential Application
Applicant	Timothy Burdette	Application Status	Not Eligible for MCL
Submission Date	10/1/2025	Approval Step Status	Rejected
Application Denied Date		CareerSource Team Recommended	No
Denial Reason		DOE Partner Recommended	No
		DOE Recommended for CAPE Funding	No
		FloridaCommerce Partner Recommended	No
		Ag Partner Recommended (if applicable)	

### Submitter Information

First-time submiss. for cred not on MCL?	Yes	Local Workforce Development Board:	
Additional info on local demand for MCL		Choose the Florida School District:	Osceola
Which type of submitter are you?	Florida School District	Choose the Florida College:	

### Credential Information

Name of the Credential	World Association of Master Chefs - Culinary Foundations	Program Title (if applicable)	
Type of credential:	Industry Certification	Degree or Non-Degree	Non-Degree
Link to Credential (include https://)	<a href="https://certiport.pearsonvue.com/Certifications/HCAC/Certification/Certify">https://certiport.pearsonvue.com/Certifications/HCAC/Certification/Certify</a>	FDOE Certification Code (if applicable)	
Credentialing Agency	World Association of Master Chefs	CIP Number (if applicable)	
Cred Agency Contact: First/Last Name	Gaven Ferguson	Provide the SOC code for the credential.	11-9051
Cred. Agency Contact: Phone Number	61403954880 (Australian phone number)	Addressing wage through the following?	
Credentialing Agency Contact: Email	gaven@wamc1950.com	Why is cred AG if not linked to AG SOC?	

Website link with info on Cred. Agency <https://wamc1950.com>

Agricultural SOC Code Cred is linked to?

### Demand Information

Job opening criteria for local demand:	30	Industry sector of focus:	Other
LMEC Area of Concern?	No	On FloridaCommerce Regional Demand List?	Yes
Occupation # current/future job openings	3,453	Local plan/policy number of job openings	30
Explain critical local/statewide need:	<p>Florida's hospitality and food service sector is one of the fastest-growing industries in the state. According to the Florida Chamber Foundation, Florida must increase post-secondary credential attainment—targeting over 60% of adults aged 25–64 to hold a high-value certificate, degree, or training by 2030—in order to support its goal of becoming a top-10 global economy (Florida Chamber Foundation, 2022). The WAMC Culinary Foundations certification directly supports this goal by preparing learners for immediate employment as cooks and food preparation professionals, a high-demand occupation across Florida's tourism-driven economy.</p> <p>This certification addresses a critical statewide economic need by providing stackable, skills-based credentials that validate real-world culinary competencies and improve workforce readiness. With the food service and accommodation sector generating over \$50 billion annually in Florida and employing over one million people, the need for qualified culinary workers is both urgent and ongoing (Florida Restaurant &amp; Lodging Association, 2023). The certification helps meet this demand by developing entry-level talent that supports restaurants, hotels, institutional food services, and emerging food manufacturing enterprises.</p> <p>Sources:</p> <p>Florida Chamber Foundation. (2022). Florida Workforce Needs Study 2030. <a href="https://www.flchamber.com/floridaworkforceneedsstudy">https://www.flchamber.com/floridaworkforceneedsstudy</a></p> <p>Florida Restaurant &amp; Lodging Association. (2023). Florida's Hospitality Industry Overview. <a href="https://frla.org/industry/">https://frla.org/industry/</a></p>	Describe credential's link to occupation	The WAMC Culinary Foundations certification is directly linked to entry-level culinary occupations such as cook, line cook, and food preparation worker—roles that are foundational within Florida's hospitality and food service industry. These occupations are in high demand across restaurants, resorts, hotels, and institutional kitchens statewide. While the credential is not legally required for employment, it provides a competitive advantage by verifying that candidates have acquired essential culinary skills and are workforce ready.
Submitting for state/regional or local?	State/Regional Demand	Industry companies accept credential?	Yes
Articulation agreement with edu. partner	No	Industry Validation Link (include https:)	<a href="https://wamc1950.com/corporate-partners/">https://wamc1950.com/corporate-partners/</a>

### Sequencing Information

Credential sequence to high-level cred.?	Yes	Higher Level Credentialing Agency	Worldchefs and American Culinary Federation
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Info on how Credential Sequences	The WAMC Culinary Foundations certification serves as a foundational credential that validates entry-level culinary knowledge and skills. It prepares individuals for roles such as prep cook, line cook, or short-order cook. According to Certiport, this cer	Higher Level FDOE Certification Code	n/a
Name of the higher level credential	Foundations: World Associate of Master Chefs - Culinary Foundations Entry-Level: Worldchefs Certified Commis Chef Intermediate: Worldchefs Certified Chef de Partie	Higher-Level Credential SOC Code	11-9051

## Endorser Information

Local Workforce Board Endorser	Nilda Blanco	Education Institution Endorser	Timothy Burdette
Economic Development Org Endorser	Antranette Forbes		

## CAPE Information

Submitting for CAPE funding eligibility?	Yes	Proctoring Website (include https://)	<a href="https://certiport.pearsonvue.com/Support/PDFs/QRG-Proctoring">https://certiport.pearsonvue.com/Support/PDFs/QRG-Proctoring</a>
Test developed/issued by 3rd party?	Yes	Select proctoring option(s) available:	The candidate and proctor are in the same physical location; The option for remote proctoring is available when needed
Is 3rd party linked to regulatory body?	No	Describe the exam distribution process.	<p>The certification exam is administered through Certiport and can be delivered in two secure formats: in person at a school or organization designated as a Certiport Authorized Testing Center (CATC), and/or remotely through Certiport's Exams from Home platform. All exams are computer-based and conducted within a secure, lock-down browser environment to ensure the integrity of the testing process.</p> <p>Candidates must be registered and scheduled through the Certiport platform. On the day of testing, a certified proctor—approved through Certiport's official proctoring process—initiates the session. Before the exam begins, candidates are required to accept a Non-Disclosure Agreement (NDA). Proctors actively monitor the session throughout, whether in person or remote. Once the exam is completed, results are automatically submitted and securely stored, with access granted to both the candidate and the authorized test center.</p> <p>Additional information on exam proctoring and administration can be found at:</p> <ul style="list-style-type: none"> <li><a href="https://certiport.pearsonvue.com/Support/PDFs/QRG-Proctoring">https://certiport.pearsonvue.com/Support/PDFs/QRG-Proctoring</a></li> <li><a href="https://www.certiport.com/Portal/common/documentlibrary/Q10_BecomeProctor.pdf">https://www.certiport.com/Portal/common/documentlibrary/Q10_BecomeProctor.pdf</a></li> <li><a href="https://certiport.pearsonvue.com/CATCs/Administering-exams.aspx">https://certiport.pearsonvue.com/CATCs/Administering-exams.aspx</a></li> <li><a href="https://certiport.pearsonvue.com/Educator-resources/Exam-policies/Administration.aspx">https://certiport.pearsonvue.com/Educator-resources/Exam-policies/Administration.aspx</a></li> </ul>
Regulatory bodies oversee recognition?	No	How long can proctor access exam for?	Exam content is only accessible after the candidate has accepted the Non-Disclosure Agreement (NDA) and the proctor has agreed to Certiport's proctoring terms and is affiliated with a CATC through an Organization Administrator.

Partnerships between institutions?	No	Exams proctored securely?	Yes
How cert. qualify as AG under 570.07, FS	It is not an agricultural certification.	Methods confirming candidate's identity	For in-person testing at Certiport Authorized Testing Centers (CATCs), candidates are required to present a valid, government-issued photo ID prior to taking the exam. The ID is verified by the proctor
Exam ADAAA Compliance publicly available	Yes	Processes identifying test irregularity:	Certiport maintains the same security and monitoring procedures across all delivery formats, whether in-person or remote. These include ongoing analysis of score patterns, review of candidate grievances, and forensic evaluation of exam session data. Proctors—whether school employees or external staff—are trained to actively monitor the candidate's session in real time.
		Procedures for invalidating scores:	During the exam, proctors can observe the candidate's screen activity and will be alerted if anything outside the secure exam environment is accessed. Unusual behaviors, such as extended periods of inactivity or unexpected navigation attempts, may be flagged as potential testing irregularities and investigated accordingly. These processes help ensure the integrity and fairness of the exam for all candidates.
Exam Number	No exam number	How is the exam scored?	Certiport conducts routine data forensics to identify anomalies in exam performance that may indicate cheating, collusion, or content piracy. These forensic analyses examine factors such as response patterns, answer latency, unusually high pass rates, and abnormal retake trends. Such indicators can signal potential misconduct and prompt further investigation.
Exam Website (include https://)	<a href="https://certiport.pearsonvue.com/Certifications/HCAC/Certification/Certify">https://certiport.pearsonvue.com/Certifications/HCAC/Certification/Certify</a>	How is the exam scored?	To pass the exam, candidates must score at least 700 out of 1000 (70%). Each question is equally weighted and typically worth one point. Some questions allow for partial credit—for example, if a question asks for three correct answers, each correct choice may be worth one-third of a point, but the total value remains one point.
How are candidates registered for exam?	Candidates register to take the exam through Certiport's online platform. First, they must create a Certiport account by visiting the Certiport website and entering basic personal information such as name, date of birth, email address, and region. After the account is created, candidates select the appropriate certification program and agree to any required terms, such as a Non-Disclosure Agreement (NDA) or End-User License Agreement (EULA).	Are written exams scored by cert agency?	The final score is based on the number of correct answers, but passing is determined by a cut score. This cut score represents the minimum level of knowledge a candidate must demonstrate to be considered proficient. There is no penalty for incorrect answers. For more details, visit the Certiport scoring FAQ: <a href="https://certiport.pearsonvue.com/About/Developing-a-certification-examination/Certification-examination-FAQs">https://certiport.pearsonvue.com/About/Developing-a-certification-examination/Certification-examination-FAQs</a>

Exams can be scheduled at a Certiport Authorized Testing Center (CATC), which often includes participating schools, or taken remotely through Certiport's Exams from Home platform. Depending on the testing arrangement, candidates may be provided an exam voucher by their school or purchase one independently. Certiport provides step-by-step guidance for the registration process in its official support documentation, available at:  
<https://certiport.pearsonvue.com/Support/PDFs/QRG-Test-Candidate-Registration.pdf>

Exam registration process public?	Yes	Cert is obtainable without curriculum?	Yes
Are exam details publicly available?	Yes		
Are exam requirements publicly posted?	Yes	Candidate permitted to retake exam?	Yes
Is exam min performance reqs public?	Yes	Number of possible retakes?	
Does the credential expire?	Yes	New version of exam for each retake?	Yes
Are these required to earn credential?	No requirements	Required waiting period between retakes?	Yes
Is success based on written/ performance?	Yes	Waiting period between retakes?	If a test candidate does not achieve a passing score on their first attempt, they must wait 24 hours before retaking the exam. If the candidate fails a second time, a waiting period of 48 hours (2 days) is required before attempting the exam a third time.
Is a certificate/badge issued on success	Yes	Testing time limit applies to all exams?	Yes
Short Summary of the requirement.	Not linked to regulatory body		
Skills and competencies assessed on exam	The Culinary Foundations exam assesses a candidate's proficiency in essential culinary skills and knowledge necessary for working in a professional kitchen. Key competencies include food storage, set-up procedures, food safety and sanitation, kitchen environment, cooking methods and terminology, and clean-up practices. Candidates must demonstrate their ability to manage food storage, understand and execute recipes, maintain hygiene standards, and ensure workplace safety. The exam also covers various cooking techniques, from wet and dry heat methods to making stocks, sauces, and soups. Overall, it		

certifies that candidates are prepared to work as cooks in various kitchen settings.

**Skills/competencies assessed on cert:** The WAMC Culinary Foundations certification exam assesses candidates across six key objective domains aligned with entry-level culinary roles. These domains include: Food Storage, Set Up Procedures, Food Safety & Sanitation, Kitchen Environment, Cooking Methods & Terminology, and Clean Up. Each domain targets real-world culinary competencies such as mise en place, knife handling, cooking techniques, food safety protocols, and proper kitchen cleanup. Questions are designed to ensure candidates demonstrate both theoretical knowledge and practical understanding relevant to professional kitchen environments.

<https://certipoint.pearsonvue.com/Educator-resources/Exam-details/Objective-domains.aspx>

**Describe Cred's Link to Occupation (CAPE)** The credential is directly aligned with occupations in the culinary and hospitality industry, such as prep cook, line cook, short-order cook, and other entry-level kitchen roles. These positions are foundational to the operation of restaurants, hotels, resorts, institutional kitchens, and catering services. While the credential is not legally required for employment in these roles, it provides a strong competitive advantage by validating industry-recognized skills and demonstrating workforce readiness to employers.

Through the certification, candidates acquire essential culinary skills including food safety and sanitation, knife handling, cooking techniques, recipe execution, and kitchen operations. The credential emphasizes real-world application of these skills in a fast-paced food service environment, helping individuals meet the expectations of employers and prepare for advancement within the industry. As a result, it serves as a valuable tool for both employment and career development in the culinary field.

**Select the approach of exam questions:** Questions are randomized and selected from a test bank

**Select the format(s) of credential exam:** Computer-based exam

**Can the exam be taken before graduation?** Yes

**Record Type** Not Eligible MCL Application

**MCL Credential** CRED-005310

**Section** Submitter Information

**Last Modified By** Timothy Burdette, 11/14/2025 4:40 PM

## Files

### Florida MCL - WAMC

Last Modified 10/1/2025 2:13 PM

Created By Kashish Pathak

### Supporting Documentation Lightcast

Last Modified 9/24/2025 7:23 PM

### MCL Application PDF - a1uPU000007Kfm9YAC

Last Modified 9/24/2025 7:23 PM

Created By Timothy Burdette

### WAMC Florida 9.24

Last Modified 9/24/2025 7:23 PM

# Appeal Letter: WAMC Culinary Foundations Certification

**From:**

**Timothy Burdette**

The School District of Osceola County

Workforce Development Area 12 – Lake, Orange, Osceola, Seminole, and Sumter Counties

**To:**

CareerSource Florida Review Committee

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**Subject: Appeal for Inclusion of the *World Association of Master Chefs (WAMC) Culinary Foundations Certification***

Dear Members of the CareerSource Florida Review Committee,

I respectfully submit this appeal on behalf of **The School District of Osceola County**, within **Workforce Development Area 12**, regarding the decision to exclude the **World Association of Master Chefs (WAMC) Culinary Foundations Certification** from Florida's Master Credentials List.

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## **Background**

According to the decision bulletin:

*The credential does not meet criteria under Florida's Framework of Quality for addition to the Master Credentials List, or Career and Professional Education (CAPE) post-secondary. Specific concerns include:*

**SOC Code Review:** The associated Standard Occupational Classification (SOC) code does not meet Florida's wage and demand requirements.

**CAPE Eligibility:** The credential fails to qualify for CAPE post-secondary. Credentials must be on the Master Credentials List to qualify for CAPE post-secondary. Credential does not meet the Framework of Quality for addition to the Master Credentials List based on wage and demand deficiencies.

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## **Framework of Quality – Relevant Language**

### **Wage Criteria**

*Non-degree credentials must show evidence of earnings outcomes and evidence that earnings outcomes meet middle- to high-level wages. For non-degree credentials that have sufficient and recent wage outcome data in the Florida Education and Training Placement Information Program (FETPIP), the following criteria must be met:*

- 1. Wages reported one year after completion must be greater than or equal to 80 percent of the median Year One wages for all non-degree credential completers in FETPIP; or**
- 2. Wages reported five years after completion must be greater than or equal to 80 percent of the median Year Five wages for all non-degree credential completers in FETPIP.**

#### **Demand Criteria**

*Degree and non-degree credentials must be linked to at least one Standard Occupation Classification (SOC) code that is either:*

- 1. Designated by the Labor Market Estimating Conference (LMEC) as an occupation identified as an area of concern either statewide or for an individual region in the most recent conference product available at the time of the annual review of the Master Credentials List; or**
- 2. Included on the Florida Department of Commerce's most recent Regional Demand Occupations Lists available at the time of the annual review of the Master Credentials List.**

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#### **Evidence of Alignment to Florida's Framework of Quality**

The **WAMC Culinary Foundations Certification** aligns directly to **Standard Occupational Classification (SOC) codes 11-9051 (Food Service Managers) and 35-1011 (Chefs and Head Cooks)** listed on Florida's **2025–2026 Regional Demand Occupations List (RDOL)**. Because both SOCs appear on the RDOL, this certification **meets Florida's Framework of Quality demand criteria**.

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#### **Statewide Wage Data**

<b>SOC Code</b>	<b>Occupation</b>	<b>Mean Wage (Statewide)</b>	<b>Entry Wage (Statewide)</b>
<b>11-9051</b>	Food Service Managers	\$34.25/hr	\$20.67/hr
<b>35-1011</b>	Chefs and Head Cooks	\$30.07/hr (median)	\$16.58/hr (entry)

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## Regional Wage Data – Workforce Development Area 12 (Lake, Orange, Osceola, Seminole, Sumter)

SOC Code	Occupation	Median Wage (WDA 12)	Entry Wage (WDA 12)
11-9051	Food Service Managers	\$32.79/hr	\$20.65/hr
35-1011	Chefs and Head Cooks	\$31.65/hr	\$17.62/hr

These data confirm that both occupations exceed the **statewide mean-wage threshold of \$19.00 per hour** and **entry-wage threshold of \$15.44 per hour**, as detailed in the **May 8, 2025 Florida Credentials Review Committee meeting** and applied to the **2025–2026 Regional Demand Occupations List (RDOL)**.

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### Verification Against FETPIP Earnings Thresholds

According to FETPIP, the benchmarks for non-degree credentials are:

- **80% of Median Year 1 Earnings:** \$31,102
- **80% of Median Year 5 Earnings:** \$39,230

When comparing both **entry** and **median** wages for the aligned occupations at both the **statewide** and **regional (WDA 12)** levels, all values exceed FETPIP's 80 percent wage thresholds:

SOC Code	Occupation	Statewide Entry Wage	Statewide Median/Mean Wage	WDA 12 Entry Wage	WDA 12 Median Wage	Comparison to FETPIP
11-9051	Food Service Managers	\$20.67/hr (≈ \$42,990/yr)	\$34.25/hr (≈ \$71,240/yr)	\$20.65 / hr (≈ \$42,950 / yr)	\$32.79/hr (≈ \$68,200/yr)	<input checked="" type="checkbox"/> All exceed FETPIP Year 1 & Year 5 thresholds
35-1011	Chefs and Head Cooks	\$16.58/hr (≈ \$34,500/yr)	\$30.07/hr (≈ \$62,550/yr)	\$17.62/hr (≈ \$36,650/yr)	\$31.65/hr (≈ \$65,800/yr)	<input checked="" type="checkbox"/> All exceed FETPIP Year 1 & Year 5 thresholds

Both the statewide and regional wages demonstrate that individuals entering these fields earn well above the first-year benchmark, while average and median wages exceed the five-year benchmark.

This confirms that the **WAMC Culinary Foundations Certification** meets Florida's

**Framework of Quality earnings outcomes requirement** across both statewide and local data.

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## **Relevance of the Certification**

The **WAMC Culinary Foundations Certification** validates competencies required in both occupations, including:

- Food preparation and safety procedures
- Sanitation and hygiene standards
- Recipe development and analysis
- Cost estimation and menu planning

These technical skills are essential for employment and advancement within the *Chefs and Head Cooks* and *Food Service Managers* roles.

This direct alignment demonstrates the certification's relevance to occupations recognized on the RDOL and in regional demand.

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## **Conclusion**

Based on the evidence presented:

- The credential aligns directly to two SOCs listed on the **Florida Regional Demand Occupations List (RDOL)**, meeting the Framework of Quality demand requirement.
- Wage data from both **statewide** and **regional (WDA 12)** sources exceed the established wage thresholds from the **May 8, 2025 Credentials Review Committee meeting**.
- Annualized RDOL entry and median wages also surpass both **FETPIP Year 1** and **Year 5** earnings thresholds, verifying compliance with Florida's earnings outcome standards.

Accordingly, the **WAMC Culinary Foundations Certification** meets Florida's **Framework of Quality** and should be approved for inclusion on the **Master Credentials List**.

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Respectfully,

**Timothy Burdette**

The School District of Osceola County

Executive Director of Career and Technical Education