

Board of Directors Executive Committee
Meeting Agenda
MAY 20, 2024 • 3:30 – 4:30 P.M. ET
MEETING LINK: [Join Webinar](#)
CALL IN: 850-629-7293, CONFERENCE ID: 157 974 564#

Chair's Welcome & Remarks

Stephanie Smith

Action Item

Adam Briggs

1. Determination on Appeal of Credentials Review Committee Actions

Open Discussion/Public Comment

Closing Remarks

Stephanie Smith

UPCOMING MEETINGS

Finance Council Meeting – June 17, 10:00 – 11:00 a.m., Tampa
Strategic Policy and Performance Council Meeting – June 17, 1:00 – 2:30 p.m., Tampa
Board of Directors Meeting – June 18, 8:30 – 11:30 a.m., Tampa

Action Item 1

Determination on Appeal of Credentials Review Committee Actions

Pursuant to Chapter 445.004(4)(h), Florida Statutes, and the Reimagining Education and Career Help (REACH) Act, 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. 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 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. The submission must meet both CAPE eligibility criteria – as set forth in Rule 6A-6.0576, Florida Administrative Code & Florida Administrative Register – and standards defined in the Framework of Quality. Certifications that are added to the 2024-2025 Master Credentials list are also added to the 2024-2025 CAPE Industry Certification Funding List.

At the February 26, 2024, Credentials Review Committee meeting, the committee approved the 2024-2025 Master Credentials list with full approval of the following credentials:

- 297 degree credentials
- 880 non-degree credentials
- 536 registered apprenticeships
- 557 industry certifications

Subsequent to this decision of the Credentials Review Committee, CareerSource Florida received valid appeals of the denials for seven (7) of the received credential applications within the required timeframe.

Upon receipt of the appeal, the joint review team, composed of staff from CareerSource Florida, the Department of Education, and FloridaCommerce, reviewed the appeals and recommended the following actions:

1. **Center for Financial Responsibility Personal Financial Literacy Certification** (Appeal submitted by two local boards) – The joint review team evaluated these certifications and determined they did not meet the Framework of Quality established by the Credentials Review Committee. The credential does not meet the required components for an industry certification. The credential is not issued by industry or an industry organization. The current certificate issued to successful candidates is issued by Texas Tech University, College of Human Sciences, Center for Financial Responsibility. This organization is not an industry group, but a sub-component of an educational institution. The joint review team recommends the appeal for **Center for Financial Responsibility Personal Financial Literacy Certification** be denied.
2. **Cyber in Minecraft: Expert** – The joint review team evaluated these certifications and determined they did not meet the Framework of Quality established by the Credentials Review Committee. This credential does not satisfy the definition of an industry certification. This credential is not issued by industry. The current availability of this credential is not confirmed. Reviewers were not able locate this credential on the certifying agency website, codingcredentials.com/. The direct link provided by the certifying agency was unable to be found via web search and from the certifying agency's website navigation menus. The credential does not meet the required components for an industry certification. The credential is not issued by industry or an industry organization. The current certificate issued to successful candidates is issued by Prodigy Learning. Prodigy Learning is a Microsoft Training Partner; the credential is not issued by Microsoft. The joint review team recommends the appeal for **Cyber in Minecraft: Expert** be denied.
3. **Coding in Minecraft: JavaScript Expert** – The joint review team evaluated these certifications and determined they did not meet the Framework of Quality established by the Credentials Review Committee. This credential was determined not to satisfy the definition of an industry certification. This credential is not issued by industry. The credential does not meet the required components for an industry certification. The credential is not issued by industry or an industry organization. The current certificate issued to successful candidates is issued by Prodigy Learning. Prodigy Learning is a Microsoft Training Partner; the credential is not issued by Microsoft. The joint review team recommends the appeal for **Coding in Minecraft: JavaScript Expert** be denied.
4. **Coding in Minecraft: Python Expert Coding** – The joint review team evaluated these certifications and determined they did not meet the Framework of Quality established by the Credentials Review Committee. This credential does not satisfy the definition of an industry certification. This credential is not issued by industry. The credential does not meet the required components for an industry

certification. The credential is not issued by industry or an industry organization. The current certificate issued to successful candidates is issued by Prodigy Learning. Prodigy Learning is a Microsoft Training Partner; the credential is not issued by Microsoft. The joint review team recommends the appeal for **Coding in Minecraft: Python Expert Coding** be denied.

5. **IPC-J-STD-001 Standard** – The joint review team evaluated these certifications and determined they did not meet the Framework of Quality established by the Credentials Review Committee. This credential has a required curriculum and therefore does not satisfy the definition of an industry certification. The credential does not meet the required components for an industry certification. The credential must be independent of a curriculum or training course. The joint review team recommends the appeal for **IPC-J-STD-001 Standard** be denied.
6. **Certified Forklift Technician** – The joint review team evaluated these certifications and determined they did not meet the Framework of Quality established by the Credentials Review Committee. This credential has a required curriculum and therefore does not satisfy the definition of an industry certification. The credential does not meet the required components for an industry certification. The credential must be independent of a curriculum or training course. The certifying agency would not provide blueprints for their assessments for review. The joint review team recommends the appeal for **Certified Forklift Technician** be denied.
7. **Power Line Worker Level I** – The joint review team evaluated these certifications and determined they did not meet the Framework of Quality established by the Credentials Review Committee. The standard occupation code linked to the credential did not meet the demand criteria described in the Framework of Quality. Not eligible for appeal; original reason for not recommending was the credential did not meet local demand. The local board needs to submit local demand. The joint review team recommends the appeal for **Power Line Worker Level I** be denied.

FOR CONSIDERATION

- **Deny the appeal of Lake County Schools and Sumter County Schools and uphold the decisions of the Florida Credentials Review Committee pertaining to:**
 - Center for Financial Responsibility Personal Financial Literacy Certification

- **Deny the appeals of Palm Beach County Schools and uphold the decisions of the Florida Credentials Review Committee pertaining to:**
 - Cyber in Minecraft: Expert
 - Coding in Minecraft: JavaScript Expert
 - Coding in Minecraft: Python Expert Coding
- **Deny the appeals of Valencia College and uphold the decisions of the Florida Credentials Review Committee pertaining to:**
 - IPC-J-STD-001 Standard
 - Certified Forklift Technician
 - Power Line Worker Level I

ATTACHMENTS

- [Framework of Quality](#)
- **Credential applications for:**
 - Center for Financial Responsibility Personal Financial Literacy Certification
 - Cyber in Minecraft: Expert
 - Coding in Minecraft: JavaScript Expert
 - Coding in Minecraft: Python Expert Coding
 - IPC-J-STD-001 Standard
 - Certified Forklift Technician
 - Power Line Worker Level I
- **Appeal letters to CareerSource Florida**

Information Items





Which type of submitter are you?

Florida School District

Submitter Contact Information

First Name

Kelly

Last Name

Colley

Job Title

Vice Principal

Email Address

kelly.colley@tvcs.org

Phone Number

352-259-3777

Which type of credential are you submitting?

Industry Certification

In addition to submitting the credential for consideration to be added to the Master Credentials List, are you submitting the credential through this application to also be considered for CAPE funding eligibility?

YES

Which type of CAPE funding eligibility should this credential be considered for:

Secondary

Degree or Non-Degree

Non Degree

Credential Information**FDOE Certification Code (if applicable)**

Not assigned a code yet

Name of the Credential

Center for Financial Responsibility Personal Financial Literacy Certification

Website with detailed information on the credential

<https://www.icevonline.com/personalfinance>

Credentialing Agency Contact Information**Credentialing Agency**

Center for Financial Responsibility at Texas Tech University

Website containing information on the Credentialing Agency

<https://www.depts.ttu.edu/hs/pfp/cfr/index.php>

Contact First Name

Ashley

Contact Last Name

Guillemette

Contact Email

ashley.guillemette@ttu.edu

Contact Phone Number

806-834-0754

Provide the program in which the credential is offered.**Program Title (if applicable)**

Finance

Program Number (if applicable)

8815100

CIP Number (if applicable)

N/A

Credentials of value on the Master Credentials List must be linked to a Standard Occupation Classification (SOC) code. Provide the SOC code that the credential is linked to:

132052

The credential should lead to an occupation in an emerging industry or in an industry sector of focus. Choose the industry:

Financial & Professional Services

Describe how the credential is linked to the chosen occupation and industry, which skills are acquired through the credential, and whether the credential is required for the occupation?

This certification validates knowledge and skills pertaining to credit cards, loans, retirement, investments and mortgages. Those who earn the certification are more qualified and prepared to make informed

financial choices, perform better in the workplace and achieve long-term financial success, no matter what job they choose. Additionally, the certification allows employers to identify and connect with more skilled candidates, filling gaps in the labor market and jump-starting individuals' careers. This credentials addresses industry needs listed: Budgets- Investments & Risk Management- Loans- Banking Options and Records- Taxes & Paychecks- Major Purchasing Decisions

Are you submitting the credential based on state/regional or local demand?

State-Regional Demand

Is the credential linked to an occupation designated as an area of concern, either statewide or for an individual region, in the conference products adopted by the by the Labor Market Estimating Conference on July 14, 2023?"

NO



Which type of submitter are you?

Florida School District

Submitter Contact Information

First Name

Lynnea

Last Name

Weissman

Job Title

Program Specialist

Email Address

WeissmanL@lake.k12.fl.us

Phone Number

352-988-4876

Which type of credential are you submitting?

Industry Certification

In addition to submitting the credential for consideration to be added to the Master Credentials List, are you submitting the credential through this application to also be considered for CAPE funding eligibility?

YES

Which type of CAPE funding eligibility should this credential be considered for:

Secondary

Degree or Non-Degree

Non Degree

Credential Information

Name of the Credential

Center for Financial Responsibility Personal Financial Literacy Certification

Website with detailed information on the credential

https://www.depts.ttu.edu/hs/pfp/financial_literacy_certification.php

Credentialing Agency Contact Information**Credentialing Agency**

Texas Tech Center for Financial Responsibility

Website containing information on the Credentialing Agency

<https://www.depts.ttu.edu/hs/pfp/>

Contact First Name

Ashley

Contact Last Name

Guillemette

Contact Email

ashley.guillemette@ttu.edu

Contact Phone Number

806-834-0754

Provide the program in which the credential is offered.**Program Title (if applicable)**

Finance

Program Number (if applicable)

8815100

CIP Number (if applicable)

NA

Credentials of value on the Master Credentials List must be linked to a Standard Occupation Classification (SOC) code. Provide the SOC code that the credential is linked to:

43-3021

The credential should lead to an occupation in an emerging industry or in an industry sector of focus. Choose the industry:

Financial & Professional Services

Describe how the credential is linked to the chosen occupation and industry, which skills are acquired through the credential, and whether the credential is required for the occupation?

This certification validates knowledge and skills pertaining to credit cards, loans, retirement, investments and mortgages. Those who earn the certification are more qualified and prepared to make informed financial choices, perform better in the workplace and achieve long-term financial success, no matter what job they choose. Additionally, the certification allows employers to identify and connect with more skilled candidates, filling gaps in the labor market and jump-starting individuals' careers. This credentials addresses industry needs listed: Budgets- Investments & Risk Management- Loans- Banking Options and Records- Taxes & Paychecks- Major Purchasing Decisions

Are you submitting the credential based on state/regional or local demand?

State-Regional Demand

Is the credential linked to an occupation designated as an area of concern, either statewide or for an individual region, in the conference products adopted by the by the Labor Market Estimating Conference on July 14, 2023?"

NO



Which type of submitter are you?

Florida School District

Submitter Contact Information

First Name

Anthony

Last Name

Asci

Job Title

CTE Specialist

Email Address

anthony.asci@palmbeachschools.org

Phone Number

561-972-2835

Which type of credential are you submitting?

Industry Certification

In addition to submitting the credential for consideration to be added to the Master Credentials List, are you submitting the credential through this application to also be considered for CAPE funding eligibility?

YES

Which type of CAPE funding eligibility should this credential be considered for:

Secondary

Degree or Non-Degree

Non Degree

Credential Information

Name of the Credential

Cyber in Minecraft: Expert

Website with detailed information on the credential

<https://codingcredentials.com/cyberinminecrafterxpert/>

Credentialing Agency Contact Information**Credentialing Agency**

Prodigy Learning

Website containing information on the Credentialing Agency<https://prodigylearning.com>**Contact First Name**

Peter

Contact Last Name

Doherty

Contact Emailpeter.doherty@prodigylearning.com**Contact Phone Number**

347-897-9055

Provide the program in which the credential is offered.**Program Title (if applicable)**

Credentials of value on the Master Credentials List must be linked to a Standard Occupation Classification (SOC) code. Provide the SOC code that the credential is linked to:

15-1212

The credential should lead to an occupation in an emerging industry or in an industry sector of focus. Choose the industry:

Information Technology

Describe how the credential is linked to the chosen occupation and industry, which skills are acquired through the credential, and whether the credential is required for the occupation?

"Cyber in Minecraft' is a cyber security credential program with supporting curriculum, delivered through Minecraft Education. The Cyber in Minecraft: Expert Credential enable students to gain a deeper knowledge and prove their skills in cyber security. Upon passing the Expert credential exam students have proven their industry ready cyber security skills.

Every business requires professionals with cyber security skills to ensure the digital security of their data and systems. The U.S. Bureau of Labor Statistics predicts job growth of 35% for information security analysts in the next ten years, making it one of the fastest-growing jobs on the market. Additionally, Glassdoor pegs the average annual salary of a cybersecurity engineer in the U.S. at \$106,411, making it an exceptional career opportunity. As of September 2023 Indeed.com lists 1,073 open jobs requiring cyber security skills in the State of Florida."

Are you submitting the credential based on state/regional or local demand?

State-Regional Demand

Is the credential linked to an occupation designated as an area of concern, either statewide or for an individual region, in the conference products adopted by the by the Labor Market Estimating Conference on July 14, 2023?”

YES



Which type of submitter are you?

Florida School District

Submitter Contact Information

First Name

Anthony

Last Name

Asci

Job Title

CTE Specialist

Email Address

anthony.asci@palmbeachschools.org

Phone Number

561-972-2835

Which type of credential are you submitting?

Industry Certification

In addition to submitting the credential for consideration to be added to the Master Credentials List, are you submitting the credential through this application to also be considered for CAPE funding eligibility?

YES

Which type of CAPE funding eligibility should this credential be considered for:

Secondary

Degree or Non-Degree

Non Degree

Credential Information

Name of the Credential

Coding in Minecraft: JavaScript Expert

Website with detailed information on the credential

<https://codingcredentials.com/JavaScriptexpert/>

Credentialing Agency Contact Information**Credentialing Agency**

Prodigy Learning

Website containing information on the Credentialing Agency<https://prodigylearning.com>**Contact First Name**

Peter

Contact Last Name

Doherty

Contact Emailpeter.doherty@prodigylearning.com**Contact Phone Number**

347-897-9055

Provide the program in which the credential is offered.**Program Title (if applicable)**

Credentials of value on the Master Credentials List must be linked to a Standard Occupation Classification (SOC) code. Provide the SOC code that the credential is linked to:

15-1256

The credential should lead to an occupation in an emerging industry or in an industry sector of focus. Choose the industry:

Information Technology

Describe how the credential is linked to the chosen occupation and industry, which skills are acquired through the credential, and whether the credential is required for the occupation?

‘Coding in Minecraft’ is a computer science credential program with supporting curriculum, delivered through Minecraft Education. The JavaScript Expert Credential enable students to gain a deeper knowledge and prove their skills in JavaScript. Upon passing the Expert credential exam students have proven their industry ready coding skills. The content covered in the credential aligns with approx. 50% of the content in the AP Computer Science Principles exam therefore students are ideally positioned to continue their learning and undertake the AP CSP exam.

JavaScript is one of the most in demand coding languages. Almost every device (Windows, Mac, Linux, Android, iOS, smart TVs etc) uses JavaScript and 98% of the worlds websites use JavaScript. The TIOBE Index (Sept 2023) ranks JavaScript as the fifth most popular programming language. As of September 2023 Indeed.com lists 1,605 open jobs requiring JavaScript skills in the State of Florida.

Are you submitting the credential based on state/regional or local demand?

State-Regional Demand

Is the credential linked to an occupation designated as an area of concern, either statewide or for an individual region, in the conference products adopted by the by the Labor Market Estimating Conference on July 14, 2023?"

YES



Which type of submitter are you?

Florida School District

Submitter Contact Information

First Name

Anthony

Last Name

Asci

Job Title

CTE Specialist

Email Address

anthony.asci@palmbeachschools.org

Phone Number

561-972-2835

Which type of credential are you submitting?

Industry Certification

In addition to submitting the credential for consideration to be added to the Master Credentials List, are you submitting the credential through this application to also be considered for CAPE funding eligibility?

YES

Which type of CAPE funding eligibility should this credential be considered for:

Secondary

Degree or Non-Degree

Non Degree

Credential Information

Name of the Credential

Coding in Minecraft: Python Expert Coding

Website with detailed information on the credential

<https://codingcredentials.com/pythonexpert/>

Credentialing Agency Contact Information**Credentialing Agency**

Prodigy Learning

Website containing information on the Credentialing Agency<https://prodigylearning.com>**Contact First Name**

Peter

Contact Last Name

Doherty

Contact Emailpeter.doherty@prodigylearning.com**Contact Phone Number**

347-897-9055

Provide the program in which the credential is offered.**Program Title (if applicable)**

Credentials of value on the Master Credentials List must be linked to a Standard Occupation Classification (SOC) code. Provide the SOC code that the credential is linked to:

15-1256

The credential should lead to an occupation in an emerging industry or in an industry sector of focus. Choose the industry:

Information Technology

Describe how the credential is linked to the chosen occupation and industry, which skills are acquired through the credential, and whether the credential is required for the occupation?

"Coding in Minecraft' is a computer science credential program with supporting curriculum, delivered through Minecraft Education. The Python Expert Credential enable students to gain a deeper knowledge and prove their skills in Python. Upon passing the Expert credential exam students have proven their industry ready coding skills. The content covered in the credential aligns with approx. 50% of the content in the AP Computer Science Principles exam therefore students are ideally positioned to continue their learning and undertake the AP CSP exam. Python is one of the most in demand coding languages and used highly in Artificial Intelligence. Stack Overflow's developer survey results from 2021 had Python as the 4th most popular language according to professional developers. According to TIOBE Index, as of September 2023, Python overtook Java and C as the most popular language. As of September 2023 Indeed.com lists 2,000 open jobs requiring Python skills in the State of Florida."

Are you submitting the credential based on state/regional or local demand?

State-Regional Demand

Is the credential linked to an occupation designated as an area of concern, either statewide or for an individual region, in the conference products adopted by the by the Labor Market Estimating Conference on July 14, 2023?"

YES



Which type of submitter are you?

Florida College System

Choose the Florida college:

Valencia College

Submitter Contact Information

First Name

Christina

Last Name

Foreman

Job Title

Senior Director, Professional and Continuing Education

Email Address

cforeman8@valenciacollege.edu

Phone Number

407-582-5033

Which type of credential are you submitting?

Industry Certification

In addition to submitting the credential for consideration to be added to the Master Credentials List, are you submitting the credential through this application to also be considered for CAPE funding eligibility?

NO

Degree or Non-Degree

Non Degree

Credential Information

Name of the Credential

IPC-J-STD-001 Standard

Website with detailed information on the credential

<https://shop.ipc.org/taxonomy/term/659>

Credentialing Agency Contact Information**Credentialing Agency**

IPC

Website containing information on the Credentialing Agency<https://www.ipc.org/>**Contact First Name**

Heather

Contact Last Name

Shieve

Contact Email

heatherschieve@ipc.org

Contact Phone Number

847-615-7100

Provide the program in which the credential is offered.**Program Title (if applicable)**

Electronic Board Assembly

CIP Number (if applicable)

150613

Credentials of value on the Master Credentials List must be linked to a Standard Occupation Classification (SOC) code. Provide the SOC code that the credential is linked to:

173023

The credential should lead to an occupation in an emerging industry or in an industry sector of focus. Choose the industry:

Architecture and Engineering Occupations

Describe how the credential is linked to the chosen occupation and industry, which skills are acquired through the credential, and whether the credential is required for the occupation?

The IPC-J-STD-001 Standard is recognized globally for its criteria on soldering processes and materials. It is an industry standardization for individuals in the electronics industry who work with the process and acceptance criteria for electrical and electronic assemblies

The IPC-J-STD-001 Standard measures knowledge and skills in materials, components and equipment requirements; general soldering and assembly requirements; wires and terminal connections; through-hole mounting and terminations; surface mounting of components; cleaning and residue requirements; printed board requirements; coating, encapsulation, and staking (adhesive); witness (torque/anti-tampering) stripe; and rework and repair.

While the IPC-J-STD-001 Standard is not required for employment, employers give preference to individuals who hold this credential over those who do not and they hire them at a higher wage than without the credential.

Are you submitting the credential based on state/regional or local demand?State-Regional
Demand

Is the credential linked to an occupation designated as an area of concern, either statewide or for an individual region, in the conference products adopted by the by the Labor Market Estimating Conference on July 14, 2023?”

YES



Submitter Contact Information

First Name

Lorri

Last Name

Benjamin

Job Title

Director of Adult & Community Education

Email Address

Benjamin.Lorri@brevardschools.org

Phone Number

321-633-3660

In addition to submitting the credential for consideration to be added to the Master Credentials List, are you submitting the credential through this application to also be considered for CAPE funding eligibility?

YES

Which type of CAPE funding eligibility should this credential be considered for:

Postsecondary

Degree or Non-Degree

Non Degree

Credential Information

Name of the Credential

Certified IPC Specialist (CIS) - IPC J-STD-001

Website with detailed information on the credential

<https://www.ipc.org/ipc-j-std-001-endorsement-program>

Provide the program in which the credential is offered.

Program Title (if applicable)

Tech Boot Camp

Are you submitting the credential based on state/regional or local demand?

Local Demand

Is the credential linked to an occupation designated as an area of concern, either statewide or for an individual region, in the conference products adopted by the by the Labor Market Estimating Conference on July 14, 2023?"

NO



Which type of submitter are you?

Florida College System

Choose the Florida college:

Valencia College

Submitter Contact Information

First Name

Christina

Last Name

Foreman

Job Title

Senior Director, Professional and Continuing Education

Email Address

cforeman8@valenciacollege.edu

Phone Number

407-582-5033

Which type of credential are you submitting?

Industry Certification

In addition to submitting the credential for consideration to be added to the Master Credentials List, are you submitting the credential through this application to also be considered for CAPE funding eligibility?

NO

Degree or Non-Degree

Non Degree

Credential Information

Name of the Credential

Certified Forklift Technician

Website with detailed information on the credential

<https://www.msscusa.org/cft/>

Credentialing Agency Contact Information**Credentialing Agency**

Manufacturing Skill Standards Council (MSSC)

Website containing information on the Credentialing Agency

<https://www.mssc.org/>

Contact First Name

Catherine

Contact Last Name

Feeney

Contact Email

cfeeney@msscusa.org

Contact Phone Number

703-739-9000

Provide the program in which the credential is offered.**Program Title (if applicable)**

Certified Forklift Technician

CIP Number (if applicable)

470303

Credentials of value on the Master Credentials List must be linked to a Standard Occupation Classification (SOC) code. Provide the SOC code that the credential is linked to:

499041

The credential should lead to an occupation in an emerging industry or in an industry sector of focus. Choose the industry:

Installation, Maintenance, and Repair Occupations

Describe how the credential is linked to the chosen occupation and industry, which skills are acquired through the credential, and whether the credential is required for the occupation?

The Certified Forklift Technician credential will give students and employees the tools to enter career pathways within the material handling industry and demonstrates that an individual has the skills needed to succeed as a forklift maintenance technician.

The Certified Forklift Technician credential measures knowledge and skills operator orientation, lift truck fundamentals, safety, basic engines, basic hydraulics, brake systems, basic laws of electricity, batteries, masts, basic attachments for lift trucks, component and symbols, cooling systems, front drive axle & differential, gasoline & LPG fuel systems, meters for testing electrical circuits & components, IC electrical systems, oil-cooled wet disc brakes (both mechanical and electrical braking systems), steering systems, transmissions, and diesel operations.

While the MSSC Certified Forklift Technician credential is not required for employment, employers give preference to individuals who hold this credential over those who do not and they hire them at a higher wage than without the credential.

Are you submitting the credential based on state/regional or local demand?

State-Regional
Demand

Is the credential linked to an occupation designated as an area of concern, either statewide or for an individual region, in the conference products adopted by the by the Labor Market Estimating Conference on July 14, 2023?”

YES



Which type of submitter are you?

Florida College System

Choose the Florida college:

Valencia College

Submitter Contact Information

First Name

Christina

Last Name

Foreman

Job Title

Sr. Director of Professional & Continuing Education

Email Address

cforeman8@valenciacollege.edu

Phone Number

407-582-5033

Which type of credential are you submitting?

Industry Certification

In addition to submitting the credential for consideration to be added to the Master Credentials List, are you submitting the credential through this application to also be considered for CAPE funding eligibility?

NO

Degree or Non-Degree

Non Degree

Credential Information

Name of the Credential

Power Line Worker Level I

Website with detailed information on the credential

<https://www.nccer.org/craft-catalog/power-line-worker/>

Credentialing Agency Contact Information**Credentialing Agency**

National Center for Construction Education and Research

Website containing information on the Credentialing Agency

<https://www.nccer.org/>

Contact First Name

Cathy

Contact Last Name

Tyler

Contact Email

ctyler@nccer.org

Contact Phone Number

386-518-6500

Provide the program in which the credential is offered.**Program Title (if applicable)**

Electrical Powerline Technician

CIP Number (if applicable)

460301

Credentials of value on the Master Credentials List must be linked to a Standard Occupation Classification (SOC) code. Provide the SOC code that the credential is linked to:

499051

The credential should lead to an occupation in an emerging industry or in an industry sector of focus. Choose the industry:

Installation, Maintenance, and Repair Occupations

Describe how the credential is linked to the chosen occupation and industry, which skills are acquired through the credential, and whether the credential is required for the occupation?

This one-level power line worker certification provides the foundation for three different career pathways in the electrical powerline industry: Distribution, Substation and Transmission.

The Power Line Worker Level I credential measures knowledge and skills of power line worker safety, electrical circuits, electrical theory, climbing wooden poles, climbing other wooden structures, tools of the trade, aerial framing and associated hardware, utility service equipment, rigging, setting and pulling poles, trenching, excavating, boring equipment, and testing equipment.

While the NCCER Power Line Worker Level I credential is not required for employment, employers give preference to individuals who hold this credential over those who do not and they hire them as C class lineman or 2nd step apprentice vs. bringing them in as a groundman apprentice.

Are you submitting the credential based on state/regional or local demand?

State-Regional Demand

Is the credential linked to an occupation designated as an area of concern, either statewide or for an individual region, in the conference products adopted by the by the Labor Market Estimating Conference on July 14, 2023?”

YES



TEXAS TECH UNIVERSITY
College of Human Sciences

Center for Financial Responsibility™

February 28, 2024

Adrienne Johnston, President & CEO
CareerSource Florida
P.O. Box 13179
Tallahassee, FL 32317

Ms. Johnston,

We write this letter in response to the exclusion of the Center for Financial Responsibility Personal Financial Literacy Certification from the Florida Master Credential List. I see the reason for denial is, "...this credential does not meet the definition of an industry certification. The certification is not issued by industry." We intend to clarify that the credential does indeed meet this definition.

The Center for Financial Literacy is a state-funded and Charles Schwab supported institution. We are housed on Texas Tech University's campus because Texas Tech is consistently ranked number one in personal financial planning education. The Center is committed to providing education and support to the community for the continual growth of financial planning academics, careers, and training. Our community outreach efforts include a Financial Planning Academy in cooperation with the Charles Schwab Foundation, which is a summer camp focused on financial planning. We also offer outreach to our local community through our KEY (Knowledge Empowering You) program.

The certification is designed to prepare the next generation of financially literate citizens. This certification verifies individuals possess the ability to successfully navigate vital monetary decisions which affect both their personal and professional lives. The certification is designed to prepare individuals to be better equipped to enter the workforce. In the words of Rosanne Brandeburg, Business Development Director at Insight Credit Union, *"Being part of Lake County and Central Florida with 13 branch locations, we are always looking to employ qualified individuals who seek a career in our industry. The Personal Financial Literacy Certification (CFR) program will be a great opportunity and asset for our high school students preparing them for a career in the financial industry and giving them opportunities for job knowledge and growth."*

Because of the Center for Financial Responsibility's affiliation with Charles Schwab and the university's consistently outstanding ranking among comparable programs, businesses around the world trust us to send them qualified employees through our many programmatic efforts, including the certification. Geoffrey E. Brown, CAE – CEO of the National Association of Personal Financial Advisors says it best: *"This certification is extremely valuable to employers as it helps connects us to qualified candidates and should be offered at all schools with courses in financial literacy."*

We hope you reconsider the decision to exclude this certification from the state list and instead choose to empower students with a credential sought after by employers.

Sincerely,

Ashley Guillemette, MPA, Director
Center for Financial Responsibility
Ashley.Guillemette@ttu.edu
806.834.0754

Sincerely,

Kati Starkey, Managing Director
Schwab Advisor Services
Kati.Starkey@schwab.com
214.577.8825



1425 County Road 526A
Sumterville, FL 33585

Phone: (352) 793-5719
Fax: (352) 793-6508

sumter.k12.fl.us/aec

Casey Ferguson
Coordinator of Career
and Adult Education

Brie Ishee
Administrator

Randi Bryant
Confidential Secretary

Brooke Borden
Data Technician

Nancy Anderson
CTE Career Coach

Erin Moore
Transition Specialist

Sandra Vogel
Career and Assessment
Specialist

February 28, 2024

Adrienne Johnston
President & CEO
CareerSource Florida
P.O. Box 13179
Tallahassee, FL 32317

Ms. Johnston:

I write this letter as the submitter of a Master Credential List application for the Center for Financial Responsibility Personal Financial Literacy Certification. I am writing to appeal the decision to withhold addition of the certification to the Master Credential List. As the President and CEO, please file this appeal with CareerSource Florida.

In addition to the Sumter County School District, the Center for Financial Responsibility, and the financial services industry, there are students impacted by this decision who are not being presented the opportunity to earn this certification. Credentialed students strengthen an economy. Similarly, Lake County School District is impacted because they applied for approval of this certification, and Dade County School District is impacted because they applied for approval of this certification in March 2023.

The "reason for denial" was, "based on the information provided and additional research conducted by the evaluators, it was determined that this credential does not meet the definition of an industry certification. The certification is not issued by industry." Since this is the only reason for denial, this is the element of the Framework of Quality and administrative rules I will address, with the help of the Center for Financial Responsibility in partnership with the Charles Schwab Foundation. Please see the attached letter from both entities.

The definition for industry certification on page 2 of the Frameworks of Quality is less detailed than the definition in 6A-6.0576 CAPE Industry Certification Funding List. However, the definition in the Florida Administrative Code is inclusive of the definition in the Frameworks of Quality. The Center for Financial Responsibility Personal Financial perfectly meets this definition, so Sumter County School District requests a resolution of adding this certification to the Master Credential List.

Thank you,

Casey Ferguson, Coordinator, CTE & Adult Education
Sumter County Schools
1425 County Road 526A
Sumterville, Florida 33585
(352) 793-5719 Ext 54210

Follow us on Facebook
@Sumter Adult and Community Education Center

EAST RIDGE HIGH SCHOOL

13322 Excalibur Road • Clermont, Florida 34711

Phone: (352) 242-2080 • Fax: (352) 242-2090

Julie Robinson-Lueallen

Principal

13322 Excalibur Road

Clermont, FL 34711

February 28, 2024

Adrienne Johnston

President & CEO

CareerSource Florida

P.O. Box 13179

Tallahassee, FL 32317

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Thank you,



Julie Robinson-Lueallen

Principal

Robinson-lueallenj@lake.k12.fl.us

(352) 242-2080



"Home of the Knights"



Leesburg High School

1401 Yellow Jacket Way · Leesburg · Florida · 34748
352-787-5047

February 28, 2024

Adrienne Johnston

President & CEO

CareerSource Florida

P.O. Box 13179

Tallahassee, FL 32317

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Thank you,

A handwritten signature in black ink, appearing to read 'M. Randolph', with a stylized flourish at the end.

Michael Randolph

Principal

Leesburg High School

RandolphM@lake.k12.fl.us

(352) 787-5047



SOUTH LAKE HIGH SCHOOL

15600 Silver Eagle Rd.
Groveland, Florida 34736
Phone (352) 394-2100

March 6, 2024

Adrienne Johnston
President & CEO
CareerSource Florida
P.O. Box 13179
Tallahassee, FL 32317

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Thank you,

Steven W. Benson II
Principal, South Lake High School
bensons@lake.k12.fl.us



*Tavares High School
Mr. Jacob Stein
Principal
603 N. New Hampshire Ave.
Tavares, FL 32778*

February 28, 2024

Adrienne Johnston
President & CEO
CareerSource Florida
P.O. Box 13179
Tallahassee, FL 32317

Ms. Johnston:

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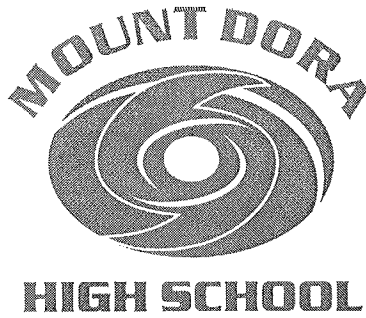
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Thank you,

A handwritten signature in black ink, appearing to be 'J. Stein', with a long horizontal stroke extending to the right.

Jacob Stein
Principal
Tavares High School
steinj@lake.k12.fl.us
352-343-3007 ext 1010



Mount Dora High School

700 N. Highland Street
Mount Dora, Florida 32757
352-383-2177

Marlene Straughan, Principal
Michael Hay, Assistant Principal
Dr. Catherine Slack, Assistant Principal
Kimberly Walker, Assistant Principal
Stephanie Bence, Assistant Principal

February 28, 2024

Adrienne Johnston
President & CEO
CareerSource Florida
P.O. Box 13179
Tallahassee, FL 32317

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Thank you,


Marlene Straughan, Principal
Mount Dora High School
straughanm@lake.k12.fl.us
352-383-2177

"We Are One Team, 100 Years in the Making!"



Lake Minneola High School

William P. Roberts

Principal

101 N Hancock Road

Minneola, FL 34715

February 28, 2024

Adrienne Johnston

President & CEO

CareerSource Florida

P.O. Box 13179

Tallahassee, FL 32317

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Thank you,

William P. Roberts

William P. Roberts

Principal

Lake Minneola High School

robertsw@lake.k12.fl.us

352-394-9600

Elizabeth Glenn

From: Guillemette, Ashley <Ashley.Guillemette@ttu.edu>
Sent: Thursday, March 14, 2024 8:13 PM
To: Warren Davis
Cc: Kati Starkey
Subject: Center for Financial Responsibility Personal Financial Literacy Certification

CAUTION: This email originated from outside our organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Warren,

I am reaching out regarding the Center for Financial Responsibility Personal Financial Literacy Certification. Since we are supported by Charles Schwab, I have copied one of my Schwab counterparts on this email, as well. I was included on denial emails and am concerned, so I have been working to support the rebuttal to see the certification re-considered by the state. I hate that both schools that applied for the certification's approval are out on spring break this week. Please reach out to me if you have concerns that I may address.

Thanks,

Ashley Guillemette, MPA
Director, Center for Financial Responsibility
Personal Financial Planning
Texas Tech University
Ashley.Guillemette@ttu.edu
<http://www.depts.ttu.edu/hs/pfp/cfr/>
(806) 834-0754



THE SCHOOL DISTRICT OF PALM BEACH COUNTY, FL
CHOICE AND CAREER OPTIONS
3300 FOREST HILL BLVD., C-124
WEST PALM BEACH, FL 33406-5813
Phone: 561-434-5829 Fax: 561-434-7300
www.palmbeachschools.org/choiceprograms

DR. JERALINE JOHNSON
DIRECTOR

Subject: MCL Appeal
Date: March 12, 2024
From: Anthony Asci, Career & Tech Ed Specialist

Dear Committee,

I hope this message finds you well. I am writing to appeal the recent decision to exclude **Coding in Minecraft: JavaScript Expert**, **Coding in Minecraft: Python Expert** (referred to as **Python Expert Coding in your email**), and **Cyber in Minecraft Expert** from the Master Credential List, which Prodigy Learning offers. I appreciate your thorough review of these certifications and the opportunity to address the concerns raised in the denial letter.

Reason for Denial: "A determination was made that the credential has a required curriculum and therefore does not satisfy the definition of an industry certification."

This decision might have been based on an inaccurate understanding of the certification's requirements, specifically regarding its optional supporting curriculum. This decision was based on the belief that the certification requires a specific curriculum, which disqualifies it from being included as an industry certification according to the guidelines established by your committee. However, I would like to clarify, with supporting evidence from Prodigy Learning, that this is not the case.

It is important to note that students are not required to undergo a specific curriculum to sit for these exams. This flexibility enables candidates to prepare for the examination through various learning pathways, including self-study, on-the-job training, or through educational programs that do not necessarily align with the curriculum developed by Prodigy Learning. The primary aim of the certification is to assess competencies and skills rather than the completion of a prescribed course of study.

Prodigy Learning has explicitly stated in their certification information page and exam policies and procedures that using their curriculum is not a prerequisite for examination eligibility or preparedness. This documentation has been provided not only for the benefit of candidates but to ensure transparency and understanding among stakeholders, including educational institutions and credentialing bodies.

I kindly request the committee reconsider the decision concerning the three certifications. I am confident that upon reviewing the facts and supporting documentation from Prodigy Learning, you will find that the certification meets the criteria for inclusion on the Master Credential List. Enclosed with this letter, you will find copies of relevant excerpts from Prodigy Learning's certification information page, exam policies and procedures and other pertinent documentation that support this appeal.

Reason for Denial: "This credential is not issued by industry. The standard occupation code linked to the credential does not meet demand criteria as described in the Framework of Quality."

The SOC code that the Credential Review Committee is using does not meet the demand criteria that are outlined in the Framework of Quality. Currently, the local job market is experiencing a high demand for computer programming skills. According to Employ Florida, there are 66 job openings for computer programmers and 363 job openings for related occupations within the Major SOC Title in Palm Beach County alone. This data proves that there is a significant demand for these skills, which challenges the basis for the denial that the credential does not meet the demand. It is also important to consider the broader application of coding skills beyond the narrow scope of computer programming.

Coding skills, particularly in languages such as Python and Java, are essential competencies across a spectrum of occupations, not limited to those traditionally defined as "computer programming." In Palm Beach County, there are currently 194 open jobs requiring Python and 131 open jobs requiring JavaScript, according to Employ Florida. To highlight the widespread relevance and demand for coding skills, notably in JavaScript and Python, across various industries and occupations, I wish to present real-world examples from Employ Florida that demonstrate the misalignment of these skills with solely the 15-1251 Computational and Math Occupations:

- **Principal Engineer Software/Senior Principal Engineer Software at Northrop Grumman:** Classified under Architectural and Engineering Managers.
- **Manager Technology (Supply Chain/Java) at The Walt Disney Company:** Classified under Management Occupations.
- **Director, Data Engineering at Sony Corporation Of America:** Classified as Computer and Information Systems Managers.
- **Vice President of Artificial Intelligence at Vector Solutions (#2157455):** Classified as Chief Executives.
- **Sr Financial Analyst at Gartner, Inc.:** Classified as Financial and Investment Analysts.
- **Machine Learning Engineer III (R39786) at Blue Origin, FL:** Classified as Software Developers.
- **Consulting, Solution Specialist at Deloitte Consulting LLP:** Classified as Computer Network Architects.

These examples reflect the evolving nature of various fields where understanding and applying coding skills are integral to managing projects, developing strategies, and driving innovation. They also indicate that Java and Python skills are integral to a wide range of roles across multiple sectors, not limited to those traditionally associated with computational and mathematical occupations.

The misclassification of the **Coding in Minecraft: JavaScript Expert**, **Coding in Minecraft: Python Expert**, and **Cyber in Minecraft Expert** under SOC Code 15-1251 inadvertently overlooks the broad relevance and market demand for coding expertise. I urge the committee to reconsider the SOC code associated with these credentials or acknowledge the local demand that justifies their inclusion on the Master Credential List.

Notwithstanding the SOC classification for these certifications the significant local demand underscores their rightful place on this list, and should be evaluated accordingly. This reconsideration is not merely a matter of administrative correction but is crucial for ensuring that the Master Credential List remains a reflective and practical resource for identifying in-demand skills and certifications. Coding and cyber skills are foundational to numerous aspects of today's technology-driven economy, transcending traditional occupational boundaries.

Thank you for your time and consideration. I am available for further information or discussion should the committee require it.

Sincerely,



CODING IN MINECRAFT

'Coding in Minecraft' is a computer science credential program with supporting curriculum, delivered through Minecraft Education and hosted on Azure.

The pathway comprises six courses that immerse students in a Minecraft world to develop and prove their coding skills using MakeCode and JavaScript or Python.



Exam Policies and Procedures

Test Security

Prodigy Learning is committed to ensuring the integrity and value of their certifications.

Prodigy Learning is committed to exam security and ensuring that exams remain valid proof of job ready skills therefore take appropriate measures to ensure the integrity of their exams.

Periodic forensic analysis of data is undertaken to identify any irregularities in testing to assist in detecting cheating or abnormalities. During this analysis reports are generated for the internal team to determine if there are any irregularities and decide on any action to be taken. These irregularities can include pass rates, retake frequency or other indicators.

The first line of defense to testing irregularities lies with the school delivering the certification exams therefore Prodigy Learning requires school test centers to provide industry standard monitoring during testing and that administrators and proctors are sufficiently trained to provide an appropriate testing experience (further details below).

Exam delivery and administration

Prodigy Learning is committed to exam security and integrity. To ensure all tests are performed under similar conditions the following procedures will be used during the test delivery.

1. No electronic devices (such as mobile phones, tablets, smart watches or audio/video recording devices) are allowed on a student's person during the test.
2. Test candidates must not attempt to communicate with each other whilst the exam is in progress.
3. Test centers are required to validate the identity of all test takers prior to launching an exam.
4. Reproduction, publishing or transmitting any part of the exam in any form (verbal, written or electronic) is prohibited.

If a test proctor or administrator suspects any candidate of suspicious activity or violation of policies during an exam the exam should be stopped immediately. The test candidate should be informed of the circumstances and Prodigy Learning notified via email at support@codingcredentials.com. The notification should include details of the incident including the date, time and location of the incident, the name of the candidate and the details of the exam being taken. Prodigy Learning will investigate the report and after a thorough investigation Prodigy Learning will report to the relevant parties its findings of the report and take appropriate action. This action may include the revocation of any award achieved from the candidate.

Technical requirements

The minimum recommended system requirements are:

- Operating system: Windows 7 or later, MacOS X 10 or later, Linux OS
- Minimum processor: to match or exceed the minimum specifications for operating system
- Minimum RAM: to match or exceed the minimum specifications for operating system
- Display: minimum resolution of 1280px by 720px
- Internet access: bandwidth will depend on the number of exams being delivered concurrently but a recommended bandwidth of 1Mbps per concurrent exam is advisable.
- Browser: latest version of the Edge, Chrome or Safari browser
- Anything which may distract or disrupt during the test process should be disabled e.g. automatic updates, alert, notification etc

Testing environment

All testing should be performed in an area where candidates will not be disrupted during testing. It is preferable that testing is performed in a dedicated testing room but if this is not available testing may be performed in a classroom.

During testing the use of any electronic device is not permitted. It is advised that test candidates electronic devices be turned off and securely stored in the testing room separate from the test candidate.

The use of other electronic devices in the room such as projectors, interactive whiteboards or displays, printers, telephones, etc. is not allowed during the test session.

Tests must be proctored therefore the proctor must be able to have an unobstructed view of each test candidate during testing. This can be achieved in several ways:

- In-room proctoring – The proctor is in the same room as the test candidate and is the preferred method.
- Observation window – The proctor can monitor the test candidate through an observation window with a full view of the testing environment.
- Camera/video feed – The proctor may remotely monitor (from within the same building) the test candidate with a full view of the testing environment.

Proctors

Anyone can apply to be a proctor by accepting a proctor agreement.

To ensure impartiality, Prodigy Learning recommends that teachers do not proctor a certification exam to students to whom they provide direct instruction. Where prohibited by rule or statute, a teacher is not allowed to proctor a certification exam to students to whom they provide direct instruction.

Testing policies

All test candidates, proctors, and administrators must adhere to the below policies when taking or administering any Prodigy Learning exam:

- All candidates must have their identification verified upon arrival by presenting an identification bearing their photograph and signature.
- It is the administrator/proctor responsibility to verify the candidate's identity and to verify the candidates matches the logged in candidate before starting the exam

before starting the exam.

- No items may be brought into the testing area such as electronic devices (phones, smart watches, laptops, earphones, etc.), writing materials (pen, paper, pencil, etc.), bags or books. These items should be powered off and secured in an area of the room away from the testing area.
- Test candidates are forbidden from communicating whilst in the testing room.
- Test candidates must read and accept the terms of the non-disclosure agreement (NDA) at the start of each exam.
- Any test candidate who is suspect of or found to have violated testing policies or procedures may forfeit any existing certifications and be made ineligible to sit future exams.
- Test candidates must not remove exam content from the testing area or reproduce exam content outside of the testing area.

Testing can be made available to any student in the school and not those just taking the certification class.

Test centers are encouraged to provide testing sessions for external candidates.

Technical issues during testing

Should a technical issue occur during testing restart the test candidate's web browser or computer and log into the test again. The test should resume at where the test candidate left off with the same remaining time and previous answers saved.

Emergencies during testing

Should an emergency occur during testing (fire alarm, etc.), if time permits, ask all test candidates to close their web browser. Upon returning to the testing rooms test candidates can log on and the test should resume at where the test candidate left off with the same remaining time and previous answers saved.

Exam accommodations

We are committed to ensuring that our exams are accessible to all. Should a test candidate require an accommodation for an exam please contact support@codingcredentials.com. Accommodations may include extra time or a separate testing room for the candidate.

Accommodations are considered on a case-by-case basis and should be submitted at least two weeks prior to the desired testing time. Supporting documentation may be requested which can include a medical, educational or psychological report or letter from a qualified professional detailing the condition related to the accommodation request (e.g. a doctor, evaluator or qualified school official). Any documentation provided must be on the professional's or school's official letterhead, include a clear diagnosis and be signed and dated by the official. Any documentation containing sensitive or personal information must be shared securely.

Exam scoring

Prodigy Learning tests are designed to measure skills on an individual basis rather than in relation to a group.

Exams are individually generated for each candidate from a series of question pools. A question pool exists for each objective domain area. All questions are weighted equally within a domain area. This ensures that each exam not only measures an equivalent level of knowledge and ability for each candidate but also provides a level of test security and integrity.

Exams are automatically graded online, and the result displayed to the candidate upon completion of the test along with a score report. Results can be reported by the school administrator. The exam is either passed or failed.

Retake policy

Should a test candidate not achieve a passing score in an exam they must wait 24 hours before attempting the exam again.

If a candidate does not achieve a passing score on the second attempt, they must wait 14 days before retaking the exam.

Candidates can attempt the exam up to 5 times in a 12-month period.

For each subsequent attempt a 14-day waiting period is in place.

Once a candidate has passed an exam, they cannot retake it.



[Prodigy Learning](#) [Portal Login](#) [Privacy Notice](#)

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The pathway comprises six courses that immerse students in a Minecraft world to develop and prove their coding skills using MakeCode and JavaScript or Python.



Coding in Minecraft: JavaScript Expert Coding Exam

Exam Information

The 'Coding in Minecraft' JavaScript Coding Expert Exam is an industry-recognized global certification which enables learners to prove their skills in coding using the JavaScript coding language.

JavaScript is one of the most widely used coding languages for developing websites, building games and mobile apps. Nearly every computing device that we use today utilizes JavaScript - iPhones, Androids, Windows, Mac, Linux, wearables and Smart TVs.

How to buy

Site licenses are available for schools to provide this certification to their students.

Individual exams are also available to be purchased by anyone at a cost of US\$100.

[Buy Now](#)

Preparing for the Exam

Prodigy Learning's certifications are designed to test mastery of the objective domains. It is recommended that candidates undertake approx. 150 hours of instruction or hands-on experience with the JavaScript language before taking this exam.

Curriculum

Educators may use the curriculum of their choice to prepare students for the exam. While Prodigy Learning recommends the supporting 'Coding in Minecraft' computer science learning pathway, the languages and technologies being assessed are industry standard and available outside of Minecraft. The certification exam itself, does not require use, licensing or knowledge of Minecraft. Educators may choose to use other materials that cover the relevant objective domains - e.g. Code.org, other online curriculum or the educator's own resources.

Practice Test

A standalone practice test is also available to prepare candidates for the exam.

Exam Details

Delivery method:	Online computer-based delivery via Prodigy Learning Portal
Time:	50 minutes
# of questions:	30
Pass mark:	70%
Question format:	Multiple choice & drag and drop
Exam version:	v1.0
Retake policy:	24 hours after 1st attempt, 14 days for subsequent attempts per exam policies and procedures .

The use of the 'Coding in Minecraft' curriculum for this exam is **not** required, candidates can prepare for the exam in a variety of ways

JavaScript Expert Coding Exam Objective Domain

This exam tests your knowledge of coding in the areas listed below.

It is recommended that candidates undertake approx. 150 hours of instruction or hands-on experience with the JavaScript language before taking this exam. The percentage values are indicative of the breakdown of the content of the exam - the higher the percentage, the greater number of questions you are likely to see on the exam relating to that area.

Variables and Datatypes (10%)	<ul style="list-style-type: none"> Identify and use variables in JavaScript and assign appropriate data types Convert between data types Identify and use operators
Selection/Branching - If Statements (15%)	<ul style="list-style-type: none"> Identify and build if statements Identify and build complex if statements Identify and use if statements that contain compound conditionals
Iteration - Loops (20%)	<ul style="list-style-type: none"> Identify and build while loops Identify and build for loops Identify and build nested loops Identify and build loops that use complex compound conditionals Identify and use loop controls
Collections (10%)	<ul style="list-style-type: none"> Identify and use arrays Identify and use objects
Structure and document code appropriately (5%)	<ul style="list-style-type: none"> Use indentation and format code Document code Code review
Error handling (15%)	<ul style="list-style-type: none"> Understand the different types of errors and causes Understand code testing and create tests Identify and build code that handles errors and exceptions
Modularity (15%)	<ul style="list-style-type: none"> Understand modularity and identify when to use Identify and build functions Identify and build functions that take or return data
Input and Output (10%)	<ul style="list-style-type: none"> Identify and build code that performs console input operations Identify and build code that performs console output operations Identify and build code that performs file input operations

Candidates can gain the skills measured in this certification in a variety of ways

[Click here to download a printable version of the JavaScript Expert Coding Exam Objective Domain](#)

Get Set Up

Exam Accommodations

We are committed to ensure that our exams are accessible to all. Should you require an accommodation for an exam please contact support@codingcredentials.com.

Accommodations may include extra time or a separate testing room for the candidate.

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Proctoring Exams

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CODING IN MINECRAFT

'Coding in Minecraft' is a computer science credential program with supporting curriculum, delivered through Minecraft Education and hosted on Azure.

The pathway comprises six courses that immerse students in a Minecraft world to develop and prove their coding skills using MakeCode and JavaScript or Python.



Coding in Minecraft: Python Expert Coding Exam

Exam Information

The 'Coding in Minecraft' Python Expert Coding Exam is an industry-recognized global certification which enables learners to prove their skills in coding using the Python coding language.

Python is one of the most widely used coding languages for developing websites and performing data analysis. Its use continues to grow and expand into fields outside of traditional computer science such as finance.

How to buy

Site licenses are available for schools to provide this certification to their students.

Individual exams are also available to be purchased by anyone at a cost of US\$100.

[Buy Now](#)

Preparing for the Exam

Prodigy Learning's certifications are designed to test mastery of the objective domains. It is recommended that candidates undertake approx. 150 hours of instruction or hands-on experience with the Python language before taking this exam.

Curriculum

Educators may use the curriculum of their choice to prepare students for the exam. While Prodigy Learning recommends the supporting 'Coding in Minecraft' computer science learning pathway, the languages and technologies being assessed are industry standard and available outside of Minecraft. The certification exam itself, does not require use, licensing or knowledge of Minecraft. Educators may choose to use other materials that cover the relevant objective domains - e.g. Code.org, other online curriculum or the educator's own resources.

Practice Test

A standalone practice test is also available to prepare candidates for the exam.

Exam Details

Delivery method:	Online computer-based delivery via Prodigy Learning Portal
Time:	50 minutes
# of questions:	30
Pass mark:	70%
Question format:	Multiple choice & drag and drop
Exam version:	v1.0
Retake policy:	24 hours after 1st attempt, 14 days for subsequent attempts per exam policies and procedures .

Python Expert Coding Exam Objective Domain

This exam tests your knowledge of coding in the areas listed below.

It is recommended that candidates undertake approx. 150 hours of instruction or hands-on experience with the Python language before taking this exam.

The percentage values are indicative of the breakdown of the content of the exam - the higher the percentage, the greater number of questions you are likely to see on the exam relating to that area.

Variables and Datatypes (10%)	<ul style="list-style-type: none"> Identify and use variables in Python and assign appropriate data types Convert between data types Identify and use operators
Selection/Branching - If Statements (15%)	<ul style="list-style-type: none"> Identify and build if statements Identify and build complex if statements Identify and use if statements that contain compound conditionals
Iteration - Loops (20%)	<ul style="list-style-type: none"> Identify and build while loops Identify and build for loops Identify and build nested loops Identify and build loops that use complex compound conditionals Identify and use loop controls
Collections (10%)	<ul style="list-style-type: none"> Identify and use lists Identify and use tuples Identify and use dictionaries
Structure and document code appropriately (5%)	<ul style="list-style-type: none"> Use whitespace and indentation and format code Document code Code review
Error handling (15%)	<ul style="list-style-type: none"> Understand the different types of errors and causes Understand code testing and create tests Identify and build code that handles errors and exceptions
Modularity (15%)	<ul style="list-style-type: none"> Understand modularity and identify when to use Identify and build functions Identify and build functions that take or return data
Input and Output (10%)	<ul style="list-style-type: none"> Identify and build code that performs console input operations Identify and build code that performs console output operations Identify and build code that performs file input operations

[Click here to download a printable version of the Python Expert Coding Exam Objective Domain](#)

The use of the 'Coding in Minecraft' curriculum for this exam is **not** required, candidates can prepare for the exam in a variety of ways

Candidates can gain the skills measured in this certification in a variety of ways

Get Set Up

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CYBER IN MINECRAFT

'Cyber in Minecraft' is a cyber security credential program with supporting curriculum, delivered through Minecraft Education that immerse students in a Minecraft world to develop and prove their cyber security skills.

Cyber in Minecraft: Expert Exam

Exam Information

The Cyber in Minecraft Expert Exam is an industry-recognized global certification which enables learners to prove their cybersecurity skills.

Cybersecurity skills are in demand globally. It is a critical skillset in today's online world and roles in cybersecurity are available in all industries.

How to buy

Site licenses are available for schools to provide this certification to their students.

Individual exams are also available to be purchased by anyone at a cost of US\$100.

[Buy Now](#)

Preparing for the Exam

Prodigy Learning's certifications are designed to test mastery of the objective domains. It is recommended that candidates undertake approx. 150 hours of instruction or hands-on experience with cybersecurity topics before taking this exam.

Curriculum

Educators may use the curriculum of their choice to prepare students for the exam. While Prodigy Learning recommends the supporting Cyber in Minecraft learning pathway, the languages and technologies being assessed are industry standard and available outside of Minecraft. The certification exam itself, does not require use, licensing or knowledge of Minecraft. Educators may choose to use other materials that cover the relevant objective domains - e.g. Cyber.org, Code.org, other online curriculum or the educator's own resources.

Practice Test

A standalone practice test is also available to prepare candidates for the exam.

Exam Details

Delivery method:	Online computer-based delivery via Prodigy Learning Portal
Time:	50 minutes
# of questions:	30
Pass mark:	70%
Question format:	Multiple choice & drag and drop
Exam version:	v1.0
Retake policy:	24 hours after 1st attempt, 14 days for subsequent attempts per exam policies and procedures .

The use of the Cyber in Minecraft curriculum for this exam is **not** required, candidates can prepare for the exam in a variety of ways

Cyber in Minecraft: Expert Exam Objective Domain

This exam tests your knowledge of cybersecurity in the areas listed below.

It is recommended that candidates undertake approx. 150 hours of instruction or hands-on experience with cybersecurity topics before taking this exam.

The percentage values are indicative of the breakdown of the content of the exam - the higher the percentage, the greater number of questions you are likely to see on the exam relating to that area.

Networking (10%)	Networking	<ul style="list-style-type: none"> Understand the difference between local and online Describe and be able to differentiate between network topologies (LAN and WAN)
	Networking Hardware	<ul style="list-style-type: none"> Describe the components that make up a Local Area Network (NIC, Switch, Router etc) Identify a MAC address and understand its relevance to network components (inc it being unique) Understand and create network diagrams
	Networking Protocols	<ul style="list-style-type: none"> Identify online services such as email, video streaming, storage etc Describe and identify the difference between the HTTP and HTTPS protocols Describe and identify other network protocols such as TCP, UDP and their use in online services such as email, video and gaming Identify an IPv4 and v6 address and understand the difference between Public and Private IP address ranges Understand the 7 layers of the OSI model Describe the roles of the layers of the OSI model and their relationships Understand, describe and compare various TCP and UDP network protocols Identify the risks associated with common TCP and UDP protocols
Hardware & Operating Systems (10%)	Computer Hardware	<ul style="list-style-type: none"> Identify and describe various computer hardware (monitor, keyboard, mouse, webcam, printer, laptop, tablet, etc) Identify and describe various hardware connectivity methods (USB ports, Bluetooth, etc) Describe Bring Your Own Device Describe the dangers that can be in hardware such as keyloggers, USB drives with scripts etc Describe and identify methods of compromising security and how to protect against Understand the implications of a malicious incident
	Operating Systems	<ul style="list-style-type: none"> Understand what an operating system is and its role Differentiate between various operating systems Understand the role of operating system updates and their importance Understand methods for securing/hardening an operating system
	Cloud Computing	<ul style="list-style-type: none"> Identify and describe Software As A Service Understand the importance of being safe online and identify best practices Describe and identify cloud computing models (public, private, etc) Identify and understand the differences between, SaaS, PaaS and IaaS and their appropriate use cases Understand and describe the risks associated with common cloud computing services
	Internet of Things	<ul style="list-style-type: none"> Understand what an IoT device is and common use cases Describe and understand that IoT devices collect and share huge amounts of data globally Identify common IoT devices Understand and describe the risks and benefits of IoT

Candidates can gain the skills measured in this certification in a variety of ways

<ul style="list-style-type: none"> Understand the vulnerabilities associated with IoT devices 		
Software (10%)	Software Applications	<ul style="list-style-type: none"> Identify and understand the function of various software applications Understand the difference between operating systems and applications Understand what malware is Understand the role of security software (antivirus, antimalware, firewalls, web filter etc) Understand various software applications used to analyse, protect against, and use in a cyber attack Understand the importance of logging and (central) analysis of log files
	Coding and Scripting	<ul style="list-style-type: none"> Understand the role of code in software applications Understand that code can be changed which will produce a different result Understand the role of scraping (malicious and non-malicious) Describe and identify different scripting languages Understand how to protect against malicious code
	Software Updates	<ul style="list-style-type: none"> Understand software updates and patches Understand the importance of software updates Understand and describe examples of vulnerabilities that can be present due to not keeping software and operating systems up to date Understand automatic updating along with its advantages and disadvantages
Digital Citizenship (15%)	Personally Identifiable Information (PII)	<ul style="list-style-type: none"> Understand what privacy is and what information is OK to share Understand what personally identifiable information is and how to keep secure Understand the risks and benefits of sharing PII Understand how PII can be disclosed Describe the potential impact of exposing PII online Understand what a data breach is Understand and describe the risks and impact of a data breach to an organization
	Digital Footprint	<ul style="list-style-type: none"> Understand what good and bad online behavior is Describe what a digital footprint is Understand how a digital footprint can be harmful Understand how data can be gathered by third parties to create a digital footprint (app, location, web history, etc) Understand that once information is online it may not be possible to fully remove Understand and describe the potential implications of a digital footprint (positive and negative, ethical, financial, etc)
	Cyberbullying	<ul style="list-style-type: none"> Understand what cyberbullying is and recognize it taking place Understand what actions can be taken to prevent cyberbullying Understand what actions can be taken when discovering cyberbullying Demonstrate how to reduce or prevent cyberbullying
Ethics & Legal Issues (15%)	Ethics	<ul style="list-style-type: none"> Understand and identify unsafe content such as malicious links or emails Understand and describe what a cyber attack is and reference recent cyber attacks Understand what ethical hacking is Understand what malicious hacking is Understand and describe how integrity and reputation can be affected by actions taken online
	Threats	<ul style="list-style-type: none"> Understand proper and improper use of devices Understand how devices can be used with good and bad intentions Understand and describe different types of threat actors Understand and describe the motive of various types of threat actors
	Intellectual Property (IP)	<ul style="list-style-type: none"> Understand what copyright is and how it can be equated to ownership Understand and describe how copyright relates to fair use Understand what Creative Commons License is and the types available Understand the differences between trademark, copyright, patent, etc Understand and describe who owns content when content is remixed
	Laws & Regulations	<ul style="list-style-type: none"> Understand the potential implications of actions online and their real-world consequences Understand and describe how safety is protected online through policies and laws Understand and describe laws that relate to cybersecurity in the US Understand and describe international cybersecurity laws and regulations
	User Agreements	<ul style="list-style-type: none"> Understand and describe how Acceptable Use Policies are designed to protect the user Understand and describe agreements such as AUPs, Terms of Service and End User License Agreements (EULA) Understand how some agreements favor companies over individuals and vice-versa
Security (20%)	CIA Triad	<ul style="list-style-type: none"> Understand what confidentiality, integrity and availability are Understand and describe concepts related to CIA such as authentication and encryption Describe a scenario where a part of the CIA Triad has failed Understand the three states of data Understand and describe the relationship between the CIA Triad and the three states of data
	Access Control	<ul style="list-style-type: none"> Understand what privileged data is Understand and describe different levels of authority and the data they may require access to Understand what access control is Understand the principle of least privilege Understand an access control list
	Data Security	<ul style="list-style-type: none"> Understand that data can be changed by mistake or on purpose and how it can be altered Understand and describe the threats to data in each of the three states of data Understand and describe measures available to protect data in each of the three states of data
	Threats and Vulnerabilities	<ul style="list-style-type: none"> Understand and describe what malware is and how it could be used and how to respond Understand and describe email threats and how to respond Understand and describe how threats and attacks may be used against individuals and organizations
	Cryptography	<ul style="list-style-type: none"> Understand what cryptography is and how it protects information Understand and describe how simple (Caesar cypher etc) and more complex (Enigma etc)

		<ul style="list-style-type: none"> • encryption methods work • Understand what encoding is and how it can benefit encryption • Understand and discuss scenarios where there is a need for encryption • Understand the difference between symmetric and asymmetric encryption • Understand public and private key encryption
	Authentication	<ul style="list-style-type: none"> • Understand and describe the characteristics of a good/strong password • Understand and describe authentication and authorization and the difference between the two • Understand and describe the various method of authentication such as passwords, biometrics, multi-factor authentication • Understand and describe authentication using certificates
Network & Physical Security (20%)	Securing Networks	<ul style="list-style-type: none"> • Understand and describe how Defense in Depth can be implemented to secure networks • Understand firewalls and how they use allow and block lists • Describe how network hardware components and their configuration can be used to implement Defense in Depth • Describe and understand network segmentation and how it can secure networks • Understand and describe how Defense in Depth can be implemented to secure networks
	Network Threats and Vulnerabilities	<ul style="list-style-type: none"> • Describe different methods of exchanging information online • Understand and describe potential vulnerabilities when exchanging information online • Understand and describe different types of malicious actions (malware, social engineering etc) • Understand and describe attacks and how they can be responded to
	Physical Threats and Vulnerabilities	<ul style="list-style-type: none"> • Understand and describe physical security measures and how they relate to cybersecurity • Understand the need to protect places and people using physical means • Understand and describe how malicious actions may threaten physical security • Understand and describe the various types of attack that threaten physical security
	Access Control	<ul style="list-style-type: none"> • Understand identity verification • Understand physical security controls • Understand and describe how physical security controls can introduce Defense in Depth • Understand and describe how different physical security controls are appropriate in different scenarios

[Click here to download a printable version of the Cyber in Minecraft: Expert Exam Objective Domain](#)

Get Set Up

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Occupation Profile for Computer Programmers in Palm Beach County, FL

Jobs Available Table

The table below shows the number of job openings advertised online in Palm Beach County, FL for Computer Programmers and for the related occupational group of Computer and Mathematical Occupations on March 10, 2024 (Jobs De-duplication Level 2*Opens In New window*).

Occupation	Job Openings
Computer Programmers	66
Computer and Mathematical Occupations	363

Source: Online advertised jobs data
Downloaded: 03/11/2024 9:00 PM

[Top](#)

We have found 164 jobs using your keyword "Javascript" in Palm Beach County, FL.

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WARNING: Always be on the lookout for job scams and identity theft! [Learn more about identity theft](#) Opens in new window.

[Sorted by Relevance](#)

Senior Software Engineer (SME)

★ **Imagine Believe Realize, LLC. - Orlando, FL (Remote Work)**

Regular

Preferred Employer 2 weeks ago

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Remote

... JavaScript, React, jQuery, Springboot, Hibernate is a must. Experience managing a team of software developers that serve as subject matter experts spanning across multiple programming technologies, environments, and toolkits. Experience interacting and presenting inputs towards solutions with senior leadership within IBR and at times, represent

Principal Software Engineer - Sitecore Web Development - Remote

★ **(QRT)-PUBLIX SUPER MARKETS, INC. - Corporate - Lakeland, FL (Remote Work)**

Regular | \$140,790-\$211,315 Year

Preferred Employer 4 weeks ago

[View](#)[Share](#)

Remote

... JavaScript, HTML, and CSS. The most suitable hire for this position will be: Deeply knowledgeable on Sitecore CMS Competent to work at a high technical level of all programming activities related to internet-facing web development Competent at architecting complex web solutions A great team player with excellent communication skills Passionate for



Principal Software Engineer***

★ **FactSet Research Systems Inc. - Tampa, FL (Remote Work)**

Regular | \$140,000-\$170,000 Year

Preferred Employer 3 weeks ago

[View](#)[Share](#)

Remote

... JavaScript, Vue.js and Web Pack, Node.js, Python, Flask, Rest APIs, Unix and Shell scripting, Redis, PostgreSQL, AWS Dynamo DB, AWS, Heroku, AWS Lambda, AWS IAC pipelines and AWS step functions, Angular and Web Pack, MS SQL, and Web Pack, J2EE, PHP, HTML , Jupyter Notebooks, Cypress, Browserstack, TestComplete, Github, React.



Programmer/Analyst IV

★ **Geographic Solutions, Inc. - Palm Harbor, FL (Remote Work)**

Regular

Preferred Employer 8 weeks ago



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Remote

... JavaScript, JavaScript libraries: JQuery, Bootstrap, Mustache, AngularJS is a plus Experience with WCF/REST Services, Web API, and Mobile development is a plus 7-10 years of ASP.Net programming Qualifications / Certifications: A Bachelor Degree in Engineering, Computer Science or Information Systems or equivalent work



Software Engineer [MR-SE-SLS-006501]***

★ **JPMorgan Chase & Co. - Tampa, FL (Hybrid Work)**

Regular

Preferred Employer 1 week ago

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Hybrid

... Javascript; Microservices; Performance Testing; Shell Scripting; Splunk; Apache Kafka; Infrastructure Architecture Disciplines; Jenkins; Python; Apache Tomcat; Hadoop; Linux; SQL; TypeScript; XML; Informatica administration and coding; Enterprise Data Warehouses; network security, including certificate management, account setup, and



Software Engineer [MR-SE-SLS-006501]***

★ **JPMorgan Chase & Co. - Tampa, FL (Hybrid Work)**

Regular

Preferred Employer 1 week ago

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Hybrid

... Javascript; Microservices; Performance Testing; Shell Scripting; Splunk; Apache Kafka; Infrastructure Architecture Disciplines; Jenkins; Python; Apache Tomcat; Hadoop; Linux; SQL; TypeScript; XML; Informatica administration and coding; Enterprise Data Warehouses; network security, including certificate management, account setup, and



Software Engineer [MR-SE-SLS-006501]***

★ **JPMorgan Chase & Co. - Tampa, FL (Hybrid Work)**

Regular

Preferred Employer 3 weeks ago

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Hybrid

... Javascript; Microservices; Performance Testing; Shell Scripting; Splunk; Apache Kafka; Infrastructure Architecture Disciplines; Jenkins; Python; Apache Tomcat; Hadoop; Linux; SQL; TypeScript; XML; Informatica administration and coding; Enterprise Data Warehouses; network security, including certificate management, account setup, and

Applications Development Senior Programmer Analyst***

★ Citibank, N.A. - Tampa, FL (Hybrid Work)

Regular | \$132,171-\$145,000 Year

Preferred Employer 1 week ago

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Hybrid

... JavaScript, Spring Framework, and the Angular Web UI Framework to build software application modules; Analyzing complex business requirements, evaluating business processes, and understanding the business functionality to design and develop information systems using Agile and Waterfall methodology; Designing and developing user interface and

Principal Software Engineer - Fully Remote

★ - Panama City, FL (Remote Work)

Regular | \$100,000-\$130,000 Year

Preferred Employer 3 weeks ago

[View](#)[Share](#)

Remote

... JavaScript VS RESTful services ORM T-SQL, JSON MVC XML HTML CSS Deep knowledge of exercising sound coding practices, such as unit testing, object-oriented programming, and patterns Comprehensive knowledge of advanced SQL including stored procedures, indexes, functions, and triggers Thorough knowledge of handling code versions via

Consultant, Technical Solutions - Remote Opportunity

★ Visa Usa Inc - Miami, FL (Remote Work)

Regular

Preferred Employer 5 days ago

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Remote

... JavaScript, HTML, XML, JSON, REST APIs Understanding of Web Security: SSL, HTTPS, Hash algorithms SQL skills Familiarity with PCI DSS Additional Information: Work Hours: Varies upon the needs of the department. Travel Requirements: This position requires travel 5-10% of the time. Mental/Physical Requirements: This position will be

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We have found 194 jobs using your keyword "Python" in Palm Beach County.

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WARNING: Always be on the lookout for job scams and identity theft! [Learn more about identity theft](#)Opens in new window.

[Sorted by Relevance](#)

Senior Software Development Engineer

★ [NextEra Energy Project Management, LLC - Juno Beach, FL \(Remote Work\)](#)

Regular

Preferred Employer 3 weeks ago

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Remote

Design, build, and maintain scalable and reliable data pipelines; Develop and maintain data models and data warehouses; Lead and mentor junior data engineers on the team; Continuously evaluate and improve data infrastructure to ensure scalability and reliability.

Senior Manager, Transmission Business Management

★ [NextEra Energy Project Management, LLC - Juno Beach, FL \(Remote Work\)](#)

Regular

Preferred Employer 3 weeks ago

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Remote

Support management investment decisions by developing solutions to resolve technical energy transmission issues for new development projects and existing assets. Perform energy market modeling and analysis to optimize existing generation assets. Maintain project schedules, negotiate agreements, and review documents for technical accuracy.

QA Architect

★ [Cloud Software Group, Inc. - Fort Lauderdale, FL \(Remote Work\)](#)

Regular

Preferred Employer 8 weeks ago

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Remote

Responsible for CI/CD frameworks, test automation, API testing, tooling and ensuring that the testing process progresses smoothly with a high degree of reliability. Actively attempt to break the product features and test them to their limits. Be comfortable in a traditional web application stack, and digging into database changes, backend changes, API changes or

Software Engineer [MR-SE-SLS-006501]***

★ JPMorgan Chase & Co. - Tampa, FL (Hybrid Work)

Regular

Preferred Employer 1 week ago



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Hybrid

... Python; Apache Tomcat; Hadoop; Linux; SQL; TypeScript; XML; Informatica administration and coding; Enterprise Data Warehouses; network security, including certificate management, account setup, and entitlements; file transfer protocols; server side and third-party tools with software installation and configuration; Agile; Scrum; CI/CD; Linux; UNIX; A...

Software Engineer [MR-SE-SLS-006501]***

★ JPMorgan Chase & Co. - Tampa, FL (Hybrid Work)

Regular

Preferred Employer 1 week ago



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Hybrid

... Python; Apache Tomcat; Hadoop; Linux; SQL; TypeScript; XML; Informatica administration and coding; Enterprise Data Warehouses; network security, including certificate management, account setup, and entitlements; file transfer protocols; server side and third-party tools with software installation and configuration; Agile; Scrum; CI/CD; Linux; UNIX; A...

Software Engineer [MR-SE-SLS-006501]***

★ JPMorgan Chase & Co. - Tampa, FL (Hybrid Work)

Regular

Preferred Employer 2 weeks ago



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Hybrid

... Python; Apache Tomcat; Hadoop; Linux; SQL; TypeScript; XML; Informatica administration and coding; Enterprise Data Warehouses; network security, including certificate management, account setup, and entitlements; file transfer protocols; server side and third-party tools with software installation and configuration; Agile; Scrum; CI/CD; Linux; UNIX; A...

Information Security Tech Senior Analyst

★ Citibank, N.A. - Fort Lauderdale, FL (Hybrid Work)

Regular | \$116,000-\$124,857 Year

Preferred Employer 4 weeks ago



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Hybrid

Citibank, N.A. seeks an Information Security Tech Senior Analyst for its Fort Lauderdale, FL location. Duties: Conduct vulnerability assessments on a variety of Citi applications by identifying, researching, validating, and exploiting various known and unknown application security vulnerabilities. Responsible for using commercial and open-source

Associate Data Scientist - (Jupiter)

★ **Max Planck Florida Institute - Jupiter , FL**

Temporary

Preferred Employer 7 weeks ago



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 **Onsite**

... Python or Matlab and must understand basic statistical methods; experience working with image manipulation software (Python/Matlab/imageJ) is preferred. The ideal candidate will also have some knowledge or background in the life sciences. Must have attention to detail and accuracy, communication skills, problem-solving skills, discretion,

... Python or Matlab and must understand basic statistical methods; experience working with image manipulation software (Python/Matlab/imageJ) is preferred. The ideal candidate will also have some knowledge or background in the life sciences. Must have attention to detail and accuracy, communication skills, problem-solving skills, discretion,



Principal Software Engineer***

★ **FactSet Research Systems Inc. - Tampa, FL (Remote Work)**

Regular | \$140,000-\$170,000 Year

Preferred Employer 3 weeks ago



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 **Remote**

... Python, Flask, Rest APIs, Unix and Shell scripting, Redis, PostgreSQL, AWS Dynamo DB, AWS, Heroku, AWS Lambda, AWS IAC pipelines and AWS step functions, Angular and Web Pack, MS SQL, and Web Pack, J2EE, PHP, HTML , Jupyter Notebooks, Cypress, Browserstack, TestComplete, Github, React. Must have full software engineering

... Python, Flask, Rest APIs, Unix and Shell scripting, Redis, PostgreSQL, AWS Dynamo DB, AWS, Heroku, AWS Lambda, AWS IAC pipelines and AWS step functions, Angular and Web Pack, MS SQL, and Web Pack, J2EE, PHP, HTML , Jupyter Notebooks, Cypress, Browserstack, TestComplete, Github, React. Must have full software engineering

Sr. Model Validation Analyst***

★ **Auto Club Services, Inc. - Tampa, FL (Remote Work)**

Regular

Preferred Employer 4 weeks ago



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 **Remote**

... Python, or R; and complex financial risk modeling and analysis. 100% telecommuting role; may work from anywhere inside the United States except for CA, CT, HI, MA, MT, NJ, NY, OR, WA, & WV - reports to company office in Tampa, FL. Up to 5% U.S. domestic travel is required. Must have legal authority to work in the U.S. EEOE. How to Apply: Send

... Python, or R; and complex financial risk modeling and analysis. 100% telecommuting role; may work from anywhere inside the United States except for CA, CT, HI, MA, MT, NJ, NY, OR, WA, & WV - reports to company office in Tampa, FL. Up to 5% U.S. domestic travel is required. Must have legal authority to work in the U.S. EEOE. How to Apply: Send

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[Disclaimer]

Elizabeth Glenn

From: Anthony Asci <anthony.asci@palmbeachschools.org>
Sent: Tuesday, March 12, 2024 4:05 PM
To: Master Credentials List; Adrienne Johnston; Warren Davis
Cc: Jeraline Marsh
Subject: Letter of Appeal, MCL
Attachments: MCL Appeal Docs 03-12-24.pdf

CAUTION: This email originated from outside our organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

This is Anthony Asci, CTE Program Specialist in Palm Beach Co. Good afternoon and thank you for the detailed explanation of denial for the three certifications I submitted. I included it below.

After lengthy discussions with some of our stakeholders I am appealing this decision under the guidelines of the current CRC charter.

Attached is a formal letter of appeal and additional documentation in the form of a PDF. I attempted to include this documentation as requested using the [application submission link](#) that you sent me, but the site does not allow for any new applications.

A review team consisting of staff from CareerSource Florida, the Florida Department of Education, Division of Career and Adult Education, and the Florida Department of Commerce reviewed all credentials. The review team and Credentials Review Committee noted the following deficiencies in the credentials below:

Credentials: **Cyber in Minecraft Expert**

Submitter: Anthony Asci, CTE Specialist

Credential Provider: Prodigy Learning

Local area (if applicable): CareerSource Palm Beach County

Reason for denial: Based on the information provided and additional research conducted by the evaluators, this credential was determined not to satisfy the definition of an industry certification. This credential is not issued by industry. The standard occupation code linked to the credential does not meet demand criteria as described in the Framework of Quality. A determination was made that the credential has a required curriculum and therefore does not satisfy the definition of an industry certification.

Credentials: Coding in **Minecraft: JavaScript Expert**

Submitter: Anthony Asci, CTE Specialist

Credential Provider: Prodigy Learning

Local area (if applicable): CareerSource Palm Beach County

Reason for denial: Based on the information provided and additional research conducted by the evaluators, this credential was determined not to satisfy the definition of an industry certification. This credential is not issued by industry. The standard occupation code linked to the credential does not meet demand criteria as described in the Framework of Quality. A determination was made that the credential has a required curriculum and therefore does not satisfy the definition of an industry certification.

Credentials: **Python Expert Coding**

Submitter: Anthony Asci, CTE Specialist

Credential Provider: Prodigy Learning

Local area (if applicable): CareerSource Palm Beach County

Reason for denial: Based on the information provided and additional research conducted by the evaluators, this credential was determined not to satisfy the definition of an industry certification. This credential is not issued by industry. The standard occupation code linked to the credential does not meet demand criteria as described in the Framework of Quality. A determination was made that the credential has a required curriculum and therefore does not satisfy the definition of an industry certification.

Thank you for your consideration.

Schedule a call or Google Meet with me: <https://calendly.com/tony-cte>



"Children are the living messages we send to a time we will not see."

– Neil Postman, *The Disappearance of Childhood*

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Elizabeth Glenn

From: Christina Foreman <cforeman8@valenciacollege.edu>
Sent: Monday, March 11, 2024 7:22 PM
To: Adrienne Johnston; Jason McCandless
Cc: Master Credentials List; heatherschieve@ipc.org; Pamela Nabors; Carolyn McMorran; Tiffaney Barnes; Dave Giordano
Subject: RE: Master Credentials List: IPC-J-STD-001 Standard
Attachments: IPC-email-FL-Master-Credential.pdf; 20230305_IPC Solder support letter_LM-Space-Coast.pdf; IPC Solder support letter - LM-MFC.pdf

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Hello Ms. Johnston & Mr. McCandless,

My name is Christina Foreman and I am the Senior Director of Professional & Continuing Education for Valencia College. I'm writing to you today regarding the denial of our application for the Certified IPC Specialist (CIS) - IPC-J-STD-001 credential to be considered for addition to Florida's Master Credentials List. Our request was denied because a determination was made that the credential has a required curriculum. I have attached an email from Joe Williams, the Director of Certification at IPC. The purpose of this email is to confirm that IPC does not have a required curriculum however they do provide non-mandatory training materials for candidates to utilize to prepare for certification exams.

This credential is imbedded in our [Electronic Board Assembly](#) program which is one of the offerings within the Advanced Manufacturing cluster of [Accelerated Skills Training](#). Currently in its eighth year, Valencia's Accelerated Skills Training (AST) programs are an innovative pathway to a career and a better quality of life. The target audiences for the AST programs are low-income individuals, those who are unemployed or underemployed. Focusing on economic mobility, these short-term intensive programs give students the opportunity to earn nationally recognized industry credentials and a family sustainable wage.

To date, 413 students have graduated from our Electronic Board Assembly program. The median age of our Electronic Board Assembly students is 30, demonstrating that these career changers are utilizing the IPC J-standard credential as a pathway into a new career. We have an in-field career placement rate of 94% with recent graduates earning an average starting wage of \$17.50/hr from companies such as Lockheed Martin, MtronPTI, AEI Aircraft Engineering Installation & Unilumen.

I've also attached two letters of support from Lockheed Martin expressing the importance of the J-standard certification to the space and defense sector of their organization along with their annual hiring needs for Electronic Board Assemblers who have attained this valuable industry credential. Please consider our request as it will open doors for high-wage, in-demand careers in our region. If you need any additional information, please don't hesitate to contact me. Thank you for your consideration.

All the best,

Christina Foreman, M.Ed.
Sr. Director of Professional & Continuing Education
Valencia College | School of Public Safety | Rm 207
8600 Valencia College Ln Orlando, FL 32825 MC:3-33
407-582-5033 | cforeman8@valenciacollege.edu



From: Master Credentials List <mcl@careersourceflorida.com>
Sent: Monday, February 26, 2024 4:59 PM
To: Christina Foreman <cforeman8@valenciacollege.edu>
Cc: heatherschieve@ipc.org; Pamela Nabors <pnabors@careersourcecf.com>
Subject: Master Credentials List: IPC-J-STD-001 Standard

You don't often get email from mcl@careersourceflorida.com. [Learn why this is important](#)

EXTERNAL EMAIL: Use caution when clicking links or attachments.

Thank you for submitting credentials for consideration by the Florida Credentials Review Committee.

The Master Credentials List, required by the Reimagining Education and Career Help (REACH) Act, is a comprehensive list of state-approved degree and non-degree credentials of value that prepare Floridians for in-demand occupations. In order to be eligible for the Master Credentials List, a credential must satisfy the criteria of the [Framework of Quality](#) for demand, wages and, as appropriate, credential sequencing.

To be considered for addition to Florida's Master Credentials List, submitters must provide, at a minimum, evidence that the credential meets labor market demand as identified by the Labor Market Statistics Center within the Florida Department of Commerce or the Labor Market Estimating Conference or meets local demand as identified in the criteria adopted by the Credentials Review Committee. Evidence considered by the Credentials Review Committee includes employer information on present credential use or emerging opportunities.

Secondary and postsecondary industry certifications and licenses seeking eligibility for [Career and Professional Education \(CAPE\) Act](#) funding must submit a Master Credentials List application. The submission must meet both CAPE eligibility criteria set forth in [Rule 6A-6.0576, Florida Administrative Code & Florida Administrative Register](#) and standards defined in the Framework of Quality.

The credentials described below were received through the [Master Credentials List Application](#) online. A review team consisting of staff from CareerSource Florida, the Florida Department of Education, Division of Career and Adult Education, and the Florida Department of Commerce reviewed all credentials. The review team and Credentials Review Committee noted the following deficiencies in the credentials below:

Credential: Certified IPC Specialist (CIS) - IPC-J-STD-001

Submitter: Christina Foreman, Senior Director, Professional and Continuing Education, Valencia College

Credential Provider: Institute of Printed Circuits

Local area (if applicable): CareerSource Central Florida

Reason for denial: Based on the information provided and additional research conducted by the evaluators, a determination was made that the credential has a required curriculum and therefore does not satisfy the definition of an industry certification.

Submitters are encouraged to resolve the deficiencies with these credentials and submit them prior to the deadline for consideration in advance of the next Credentials Review Committee meeting. Information about the Framework of Quality, Master Credentials List and answers to frequently asked questions can be obtained [online](#).

The process for appealing this decision is outlined in Section H of the [Credentials Review Committee Charter](#).

Thank you again for your participation in this process.

Sincerely,

Warren Davis
Policy Analyst
CareerSource Florida

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March 3, 2024

Dear Florida Credentials Review Committee:

The Electronic Board Assembly (EBA) program at Valencia College is a shining example of the long-standing partnership between Lockheed Martin and Valencia and the College's commitment to training highly skilled technicians for manufacturing.

We supported Space Florida and Valencia College's submissions of the J-Standard soldering credential (CIS) from IPC® for addition to the Master Credentialing List (MCL.) We understand that the College's application to add the J-standard certification was not approved. We respect the rigor of the MCL approval process and appreciate the focus on the quality of the curriculum and the credential. This credential from IPC is an industry-gold standard credential and is an integral part of our job requirements.

This certification and the EBA program itself are vital to our operations in central Florida. Lockheed Martin values the quality education provided by Valencia who is preparing a talent pipeline with necessary skills and valued credentials that are necessary for our manufacturing operation. Lockheed Martin values several IPC® certifications across our manufacturing organization and the J-Standard soldering credential is a gold-standard credential for this skill set. We provide re-certification on this credential internally and having a talent pipeline available with this requisite skill set and credential in-hand at time of hire is paramount to our ability to source talent locally in central Florida.

We respectfully request that the Florida Credentials Review Committee reconsider the addition of this credential to Master Credentialing List. If you would like to further discuss the importance of this credential to Lockheed Martin and the aerospace and defense advanced manufacturing industry please contact me at jon.e.gustafson@lmco.com

Best regards,

Jon Gustafson
Director HR and Economic Development Opportunities

From: Joe Williams <JoeWilliams@ipc.org>
Sent: Tuesday, March 5, 2024 4:39 PM
To: Danny Nunez <dnunez17@valenciacollege.edu>
Cc: Carlos Plaza <CarlosPlaza@ipc.org>
Subject: RE: IPC sentence from Policy Manual-URGENT

You don't often get email from joewilliams@ipc.org. [Learn why this is important](#)

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Good afternoon Danny,

Hopefully we can add some context. IPC does not require potential certification test candidates take any training to qualify to sit for an IPC Certification Exam. Any individual may sit for an IPC Certification exam if they meet the industry defined eligibility requirements, which often include a minimum level of education attainment and/or workforce experience.

IPC provides non-mandatory training materials that help trainers prepare test candidates for IPC Certification exams. These training programs are broken up into modules. Currently, candidates sitting for the Certified IPC Specialist (CIS) certification may choose to sit for an exam that only covers the content in module one of the CIS training program. The exam for Certified IPC trainers covers the covers the content presented in all modules of the CIT training program. IPC publishes the topics covered in these training modules so that IPC Certification test candidates may acquire the relevant knowledge and skills as they see fit.

I would encourage you to review the section “Mandatory Certification Requirements” just after that paragraph you referenced as that may provide additional clarification if needed.

Cordially,

Joe Williams



Joe Williams (He/Him/His)
Director of Certification | IPC

📍 3000 Lakeside Drive, Suite 105 N, Bannockburn, IL 60015
📞 +1 847 597-2867
✉ JoeWilliams@ipc.org
🌐 www.ipc.org



March 7, 2024

To: Florida Credentials Review Committee

To Whom it May Concern:

The Electronic Board Assembly (EBA) program at Valencia College is a shining example of a partnership with Lockheed Martin that dates back to the college's founding and its commitment to training highly skilled technicians for manufacturing.

We supported Valencia College's submission of the J-Standard soldering credential (CIS) from IPC® for addition to the Master Credentialing List (MCL) and understand the application to add the J-standard certification was not approved. We respect the rigor of the MCL approval process and appreciate the focus on the quality of the curriculum and the credential.

This certification and the EBA program itself are vital to our operations in Central Florida, where our Missiles and Fire Control, Rotary Mission Systems, and Space business areas have a significant manufacturing workforce. Lockheed Martin, which employs nearly 17,000 people across Florida, values the quality curriculum provided by state colleges such as Valencia College, College of Central Florida and Eastern Florida State College to prepare talent pipelines with the necessary skills and valued credentials necessary to support our hiring needs. In the case of this certification, that number in the coming years is an estimated 65 hires annually, including attrition and net new jobs.

Lockheed Martin values several IPC® certifications across our manufacturing organization, and the J-Standard soldering credential is a gold-standard credential for this skill set. Having a talent pipeline available with this requisite skill set and credential at the time of hire is paramount to our ability to source talent locally in Central Florida.

We respectfully request that the Committee reconsider the addition of this credential to the MCL. If you would like to further discuss the importance of this credential to Lockheed Martin and the aerospace and defense advanced manufacturing industry, please contact me at brian.l.baluta@lmco.com.

Best regards,

A handwritten signature in black ink, appearing to read "Brian Baluta", written in a cursive style.

Brian Baluta
Director, State and Local Government Relations
Lockheed Martin Space

Elizabeth Glenn

From: Christina Foreman <cforeman8@valenciacollege.edu>
Sent: Tuesday, March 12, 2024 5:40 PM
To: Adrienne Johnston; Jason McCandless
Cc: Master Credentials List; heatherschieve@ipc.org; Pamela Nabors; Carolyn McMorran; Tiffany Barnes; Dave Giordano
Subject: RE: Master Credentials List: IPC-J-STD-001 Standard
Attachments: IPC Letterhead_Florida Master Certification List Board Appeal_12March2024.pdf; CIS Policies and Procedures 2024.pdf

cforeman8@valenciacollege.edu appears similar to someone who previously sent you email, but may not be that person. [Learn why this could be a risk](#)

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Hello,

Please see the attached letter and policies that we received today as additional documentation from IPC as it relates to their preparatory curriculum that is available, but not required to sit for the certification exam. Thank you again for your consideration.

All the best,

Christina Foreman, M.Ed.
Sr. Director of Professional & Continuing Education
Valencia College | School of Public Safety | Rm 207
8600 Valencia College Ln Orlando, FL 32825 MC:3-33
407-582-5033 | cforeman8@valenciacollege.edu



From: Christina Foreman
Sent: Monday, March 11, 2024 7:22 PM
To: ajohnston@careersourceflorida.com; jmccandless@careersourceflorida.com
Cc: Master Credentials List <mcl@careersourceflorida.com>; heatherschieve@ipc.org; Pamela Nabors <pnabors@careersourcecf.com>; Carolyn McMorran <cmcmorran@valenciacollege.edu>; Tiffany Barnes <tbarnes11@valenciacollege.edu>; Dave Giordano <dgiordano4@valenciacollege.edu>
Subject: RE: Master Credentials List: IPC-J-STD-001 Standard

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All the best,

Christina Foreman, M.Ed.
Sr. Director of Professional & Continuing Education
Valencia College | School of Public Safety | Rm 207
8600 Valencia College Ln Orlando, FL 32825 MC:3-33
407-582-5033 | cforeman8@valenciacollege.edu



From: Master Credentials List <mcl@careersourceflorida.com>
Sent: Monday, February 26, 2024 4:59 PM
To: Christina Foreman <cforeman8@valenciacollege.edu>
Cc: heatherschieve@ipc.org; Pamela Nabors <pnabors@careersourcecf.com>
Subject: Master Credentials List: IPC-J-STD-001 Standard

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Credential: Certified IPC Specialist (CIS) - IPC-J-STD-001

Submitter: Christina Foreman, Senior Director, Professional and Continuing Education, Valencia College

Credential Provider: Institute of Printed Circuits

Local area (if applicable): CareerSource Central Florida

Reason for denial: Based on the information provided and additional research conducted by the evaluators, a determination was made that the credential has a required curriculum and therefore does not satisfy the definition of an industry certification.

Submitters are encouraged to resolve the deficiencies with these credentials and submit them prior to the deadline for consideration in advance of the next Credentials Review Committee meeting. Information about the Framework of Quality, Master Credentials List and answers to frequently asked questions can be obtained [online](#).

The process for appealing this decision is outlined in Section H of the [Credentials Review Committee Charter](#).

Thank you again for your participation in this process.

Sincerely,

Warren Davis
Policy Analyst
CareerSource Florida

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POLICIES & PROCEDURES

CERTIFIED IPC SPECIALIST (CIS)

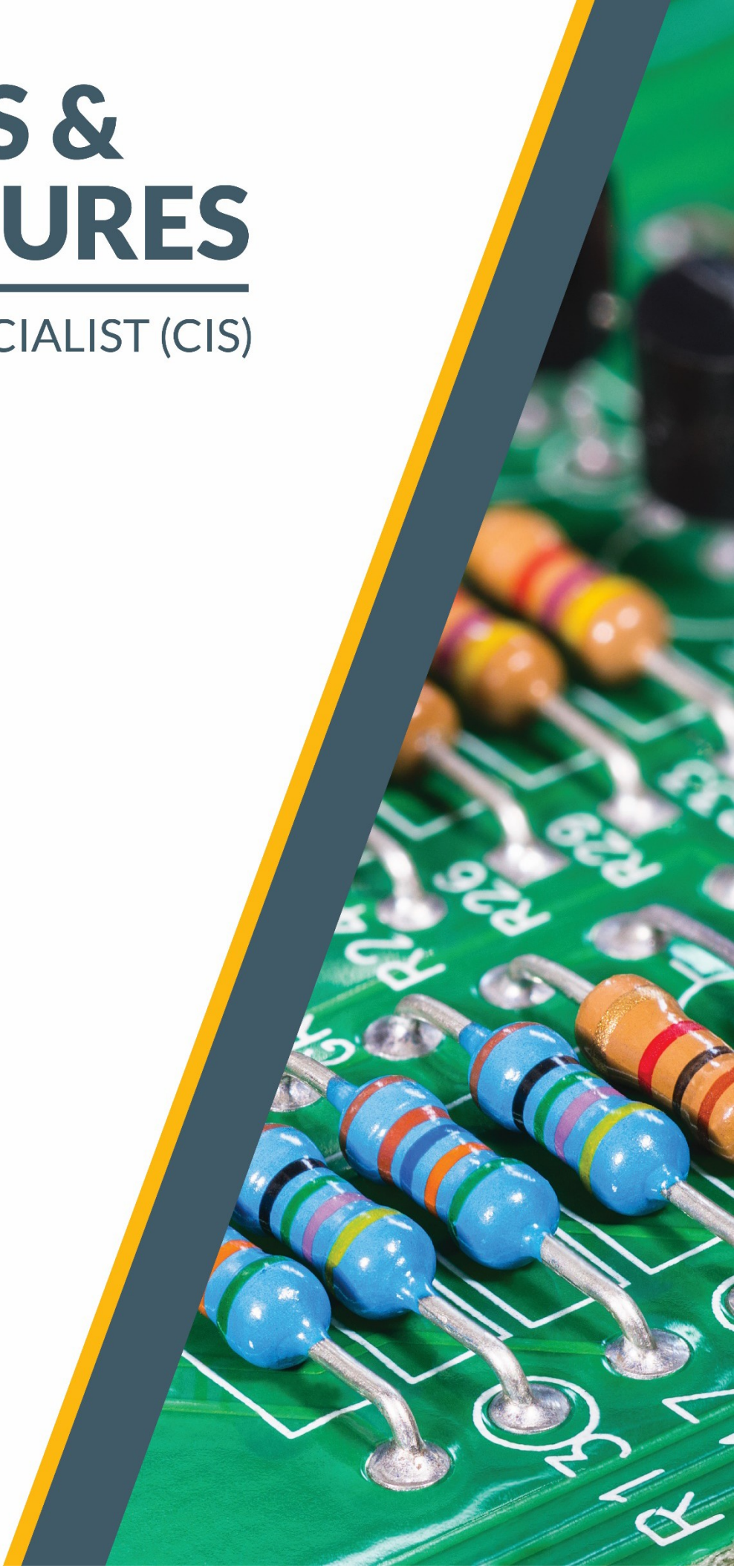


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1.About IPC

Mission Statement

IPC is a global trade association dedicated to furthering the competitive excellence and financial success of its members in every sector of the electronics industry. In pursuit of these objectives, IPC devotes resources to management improvement and technology enhancement programs, the creation of relevant standards, protection of the environment, and pertinent government relations. IPC encourages the active participation of all its members in these activities and commits to full cooperation with all related organizations.

IPC Certification Programs

IPC Certification Programs are offered to promote professional development and recognize that an individual has demonstrated the level of competence specified in a given criterion. IPC Certifications are recognized globally as the international standard for credentialing in the electronics manufacturing industry.

2.About the Policies and Procedures

Effective Date

The effective date of a Policies and Procedures document is the official implementation date for the document. As of the effective date, the new guidelines outlined in the Policies and Procedures document immediately supersede any prior version and are applied to all applicants, candidates, certificants, and IPC Licensed Training Centers.

Any existing contracts, waivers, or other agreements referencing the Policies and Procedures document must comply with the latest revision as of the effective date of that document. The effective date of the Policies and Procedures document is indicated in the cover page of this document.

Governance and Revisions

As the sole governing authority for all IPC certification programs, IPC has the right and responsibility for maintaining, updating, and administering the IPC certification programs. Therefore, IPC reserves the right to make changes to the Policies and Procedures as necessary. This Policies and Procedures document is reviewed periodically and is subject to change without prior warning. All subsequent revisions to the Policies and Procedures document will be announced publicly by IPC and will be made available for complimentary download at least 30 calendar days prior to the effective date. It is the responsibility of the Applicant, Candidate, and Certificant to remain aware of updates to the Policies and Procedures.

Questions

Questions regarding the policies and procedures document and its application shall be submitted to the IPC Help Desk at <https://ipcinc.atlassian.net/servicedesk/customer/portal/2>.

Interpretation of Policies and Procedures

All interpretations of these Policies and Procedures will be at IPC's sole discretion. Any individual may formally request an interpretation of the Policies and Procedures from the IPC Certification Program Office at <https://ipcinc.atlassian.net/servicedesk/customer/portal/2>.

The request shall identify the subject content within the document to be reviewed, the current understanding by the requestor and supporting information regarding the request. IPC will make every effort to respond to these requests with in 2-3 weeks, however depending on the nature of the request more time may be required. All formal interpretations of the Policies and Procedures provided by IPC are final.

Non-Discrimination Statement

IPC actively integrates the principle of equal opportunity into its policies, procedures, and practices. The eligibility and certification requirements for all individuals seeking an IPC certification are applied equally regardless of age, race, religion, gender, national origin, veteran status, disability or any other basis prohibited by applicable law.

Impartiality Statement

IPC is committed to maintaining the impartiality of its certification programs and activities. IPC policies and procedures are designed to address potential conflicts of interests and ensure objectivity in its dealings with all parties involved in the IPC certification process, including IPC staff members, training centers, Certificants, Candidates, and Applicants. IPC Policies and Procedures are published publicly to ensure that all parties involved in the IPC certification process have equal access to accurate information concerning IPC certification programs.

Code of Impartiality

IPC staff and volunteers will avoid all professional conflicts of interests and make any potential conflict of interest known to their immediate supervisor. IPC staff and volunteers will avoid any activity, relationship, or circumstance that may compromise their impartiality including, but not limited to, granting preferential treatment to any person involved in the IPC certification process or using their position for financial, professional, or personal gain.

Accessibility of Certifications

Participation in any IPC Certification program is voluntary and open to any individual that meets the program's qualification requirements. IPC membership is not required to participate in any IPC Certification Education program. However, IPC member companies may enjoy discounts not offered to non-members.

Scope of Certification

IPC Certification programs are developed by and through consensus of the electronics industry, including, but not limited to, members of IPC and representatives from academia, government agencies, original equipment manufacturers (OEM), electronic manufacturing service companies (EMS) and circuit board manufacturing companies.

CIS Certificants demonstrate, through the certification process, that they possess a minimum level of knowledge (as determined by IPC) with regard to their ability to read, navigate, interpret, and apply the respective standards to which they are certified. Certificants are certified in two-year cycles after satisfying specific prerequisites outlined in this document, including the completion of one or more written examinations on specific IPC standards. These certification assessments are based on a body of knowledge that encompasses various best practices, requirements, and guidelines specified within the respective IPC Standard.

All IPC Certification assessments are developed with the input of subject matter experts from across the electronics manufacturing industry (including a variety of industry verticals such as aerospace, defense, automobile, medical, and consumer electronics), to ensure that exam accuracy reflects the needs of those verticals.

3. Terms and Definitions

Active Certification

A Certification is considered active between the dates that a certificant earns the certification and the expiration date, as listed on their certificate.

Appeal

A formal request by any individual or organization for IPC to reconsider a decision it has made regarding the certification process or an IPC certified person.

Applicant

An individual that has applied for an IPC certification program but has not yet been granted approval to participate in the program or attempt any certification examinations

Candidate

An individual that has applied and been approved to sit for an IPC certification exam but has yet to complete the certification requirements outlined in the IPC Policies and Procedures document and therefore is not yet certified by IPC.

Certificant

An individual that has met all the requirements for certification outlined in the IPC Policies and Procedures document, and currently holds an active IPC certification in good standing.

Certification

The process by which an organization verifies and provides written assurance that an individual has demonstrated the level of competence specified in a given standard or set of criteria,

Certification Advisory Committee (CAC)

The Certification Advisory Committee (CAC) is a group of industry subject matter experts responsible for advising IPC on credentialing programs and oversight of the certification subcommittees.

Certification in Good Standing

A Certification in Good Standing is active and without sanction.

Certification Program Office (CPO)

The Certification Program Office oversees the development and operations of IPC certification programs and liaisons with the various volunteer industry committees supporting these programs. The Certification Program Office is managed through the IPC Global Headquarters and is overseen by the IPC Director of Certification Programs and the IPC Director of Education Operations.

Certified IPC Specialist (CIS)

A certificant holding an active Certified IPC Specialist certification.

Certified IPC Trainer (CIT)

A certificant holding an active Certified IPC Trainer certification.

Certified Standards Expert (CSE)

A certificant holding an active Certified Standards Expert certification.

Competence

The demonstrated ability to apply the knowledge and skills, required to successfully undertake roles or perform tasks as defined in a given standard or set of criteria.

Endorsements

An area of specialization in which a certificant has demonstrated proficiency. Endorsements are added to an existing certification.

Enhanced Policies and Procedures Exam

Assessment that measures the comprehension of the content found in the IPC Certification Policies and Procedures document.

Grievance

An expression of dissatisfaction by any individual or organization regarding the activities of IPC, or IPC applicants, candidates, or certificants.

IPC EDGE Learning Management System (LMS)

The IPC Education and Certification portal, through which online training is delivered, certification testing is administered, certificates are issued, and records are stored.

IPC Education Executive Advisory Committee (EEAC)

The IPC Education Executive Advisory Committee oversees and supports the Certification Advisory Committee, Training Program Advisory Committee, and Job Task Analysis Committee.

IPC Licensed Training Center

Any training center licensed by IPC pursuant to the IPC Certification Center Master License Agreement or the IPC Private Certification Center Master License Agreement. There are two types of Licensed Training Centers: Private Training Centers and Public Training Centers.

Job Task Analysis

The formal process of identifying the duties required to perform a job, describing the tasks required to perform those duties, and defining the knowledge, skills, and abilities required to successfully perform those tasks.

Job Task Analysis Committee (JTAC)

The IPC Job Task Analysis Committee (JTAC) is a group of industry subject matter experts responsible for defining a competency model (collection of competencies that jointly define successful job performance) for the electronics industry.

Master IPC Trainer (MIT)

A designation that may be assigned to certificants holding a Certified IPC Trainer Certification if they meet the relevant criteria outlined in the Policies and Procedures.

Policies and Procedures (P&P)

The codified rules and guidelines governing an IPC certification program. This document is periodically reviewed and updated.

Private Training Center

A Licensed Training Center which employs or contracts MITs to conduct training courses within a company or corporation.

Proctor

An individual authorized by IPC to conduct certification testing on its behalf.

Public Training Center

A Licensed Training Center which employs or contracts MITs to conduct publicly available training courses.

Recertification

The process by which a certificant renews their certification prior to its expiration.

Revocation of Certification

The official cancelation of a certification by IPC. Upon revocation of a certification, an individual is no longer considered certified by IPC, losing all rights and privileges. The individual shall no longer claim to be certified by IPC.

Shall

In this document, the word “shall” denotes a requirement.

Should

In this document, the word “should” denotes a strong recommendation that is not required.

Standard Specific Exam

Assessment that measures the comprehension of the content found in a specific IPC standard.

Suspension

A certification suspended by IPC is considered invalid from the date of suspension, until the date in which the suspension is lifted. A suspended certification is not considered in good standing or active.

Training Program Advisory Committee (TPAC)

The Training Program Advisory Committee (TPAC) is a group of industry subject matter experts responsible for advising IPC on training programs and providing oversight over the training subcommittee work.

4. Related Documents

IPC-A-610 – Acceptability of Electronic Assemblies

IPC-6012 – Qualification and Performance Specification for Rigid Printed Boards

IPC J-STD-001 – Requirements for Soldered Electrical and Electronic Assemblies

IPC-A-600 – Acceptability of Printed Boards

IPC/WHMA-A-620 – Requirements and Acceptance for Cable and Wire Harness Assemblies

IPC-7711/7721 – Rework, Modification, and Repair of Electronic Assemblies

5. Roles and Responsibilities

IPC Certification Program Office

The IPC Certification Program Office consists of employees of IPC, including but not limited to, the members of the IPC Certification Department. The IPC Certification Program Office shall:

- a. Oversee the operation of the CIS Program in accordance with this document.
- b. Establish, implement, and maintain the policies and procedures that govern certification decisions, including the granting, maintaining, recertifying, altering of scope, suspension, and withdrawing of a certification.
- c. Schedule, facilitate, and provide support for the IPC Certification Committee and Subcommittees.
- d. Approve and provide administrative oversight of IPC Licensed Training Center licenses and Program riders.
- e. Maintain certification records and validate the authenticity and accuracy of IPC certifications.
- f. Maintain ultimate responsibility for the CIS Program.
- g. Periodically audit Licensed Training Centers, MITs, CITs, and CIS to ensure compliance with IPC Policies and Procedures.
- h. Interpret IPC policies and resolve issues relating to the IPC Certification System.

IPC Volunteer Committees

Organization of Committees

The IPC Education Executive Advisory Committee oversees and supports the Certification Advisory Committee, Training Program Advisory Committee, and Job Task Analysis Committee. The Certification Advisory Committee and Training Advisory Committee oversee and support Certification and Training subcommittees. There is a Certification Subcommittee and a Training Subcommittee for each IPC program. The Job Task Analysis committee oversees and supports one subcommittee for each electronics industry job role.

Certification Advisory Committee (CAC)

The CAC is composed of the chair and vice-chair of each Certification Advisory Subcommittee. The IPC liaison to the Certification Advisory Committee is the Director of IPC Certification Programs or a representative thereof. The committee's scope and responsibilities are:

- a. Advise and support IPC on the development, maintenance, and implementation of certification policies and procedures.
- b. Review proposals for new certification programs and advise IPC on their scope, feasibility, development, and implementation.

- c. Advise and support IPC to ensure that IPC certification programs meet national and international standards and comply with relevant accreditation requirements.

Certification Advisory Subcommittees (CAS-XXX)

Each CAS is chaired and composed of representatives from the companies, training centers, and other institutions that use, deliver, or rely on IPC Certification Programs. The IPC liaison to each Certification Advisory Subcommittee is the Director of IPC Certification Programs or a representative thereof. Each subcommittee's scope and responsibilities are:

- a. Employ the most recent Job Task Analysis to develop the exam blueprint (subject areas to be covered on the certification exam).
- b. Evaluate certification exam questions submitted by SMEs for technical accuracy.
- c. Collaborate with the IPC psychometrician to ensure that each certification exam question meets IPC Item Writing Guidelines
- d. Develop and maintain program specific policies and procedures when applicable.

Training Program Advisory Committee (TPAC)

The TPAC is composed of the chair and vice-chair of each Training Program Advisory Subcommittee. The IPC liaison to the Training Program Advisory Committee is the Director of IPC Education Programs or a representative thereof. The committee's scope and responsibilities are:

- a. Advise and support IPC in the development, maintenance, and implementation of IPC training programs.
- b. Review proposals for new training programs and advise IPC on their scope, feasibility, development, and implementation.
- c. Advise and support IPC to ensure that IPC training programs meet national and international standards and comply with relevant accreditation requirements.

Training Program Advisory Subcommittees (TPAS-XXX)

Each IPC credential program is supported by a corresponding Training Program Advisory Subcommittee (TPAS-XXX). Each TPAS subcommittee is chaired and composed of representatives from the companies, training centers, and other institutions that use, deliver, or rely on IPC Certification Programs. The IPC liaison to each Training Program Advisory Subcommittee is the IPC Director of Education or a designated representative thereof. The committee's scope and responsibilities are:

- a. Employ the most recent Job Task Analysis to develop training program learning objectives and assessment questions.
- b. Evaluate training program assessment questions submitted by SMEs for technical accuracy.

- c. Collaborate with the IPC psychometrician to ensure that each training program assessment question meets IPC Item Writing Guidelines.
- d. Develop and maintain program specific policies and procedures when applicable.

Job Task Analysis Committee (JTAC)

The IPC Job Task Analysis Committee (JTAC) is a group of industry subject matter experts responsible for defining a competency model (collection of competencies that jointly define successful job performance) for the electronics industry. The IPC liaison to the JTA Committee is the Senior Director of Learning and Professional Development or a designated representative thereof. The committee's scope and responsibilities are:

- a. Identify and define key roles (job, position, or task) in the electronics industry and perform an industry driven job task analysis for each role.

Job Task Analysis Subcommittees (JTAS)

The committee's scope and responsibilities are:

- a. Define and periodically review the knowledge, skills, and abilities required to successfully perform each industry job, position, or task.

Roles of CITs and MITs in the CIS program - Certified IPC Trainer (CIT)

The Certified IPC Trainer (CIT) is an IPC certification for trainers and educators.

A Certified IPC Trainer (CIT) certificant may:

- a. Proctor IPC certification exams for Certified IPC Specialist candidates. The CIT must be certified to the endorsement that he or she is proctoring. For example, only a CIT that is certified to IPC 610 and remains in good standing may proctor CIS candidates attempting the IPC 610 certification exam.
- b. Proctor IPC certification exams for the Certified IPC Specialist candidates in an endorsement module such as a Space Addendum or a Workmanship Module. The CIT must be certified to those same endorsement modules. For example, only a CIT that is certified to the IPC 620 Space Addendum may proctor CIS candidates attempting the IPC 620 Space exam.
- c. Conduct CIS training utilizing the IPC authorized training materials for the programs to which the CIT is certified.

Master IPC Trainer (MIT) Designation

The Master IPC Trainer (MIT) is an optional designation that may be obtained by a Certified IPC Trainer (CIT). The Master IPC Trainer (MIT) is not an independent certification. A CIT certificant, with the MIT designation, shall only act in the role of an MIT when engaging in the business of the sponsoring IPC Licensed Training Center.

A Certified IPC Trainer (CIT) certificant, with the Master IPC Trainer (MIT) designation may:

- a. Proctor IPC certification exams for the Certified IPC Specialist (CIS), Certified IPC Trainer (CIT), and Certified Standards Expert (CSE) candidates. The MIT must be certified to the endorsement that he or she is proctoring. For example, only a MIT that is certified to IPC 610 and remains in good standing may proctor CIS and CIT candidates attempting the IPC 610 certification exam.
- b. Proctor IPC certification exams for the Certified IPC Specialist and Certified IPC Trainer candidates in an endorsement module such as a Space Addendum or Workmanship Module. The MIT must be certified to those same endorsement modules. For example, only a MIT that is certified to the IPC 620 Space Addendum and remains in good standing may proctor CIS or CIT candidates attempting the IPC 620 Space exam.
- c. Conduct CIS and CIT training utilizing the IPC authorized training materials for the programs to which the MIT is certified.
- d. Provide the first level of technical and administrative support to CITs and CISs they have trained. This includes assistance with understanding of the Policies and Procedures and criteria of the standard(s) or courses.

6. Prerequisites and Fees

Eligibility for the Certified IPC Specialist Examination

The applicant will utilize honesty and integrity while participating in IPC's Certification programs.

When applying to sit for an IPC certification exam, the applicant shall submit all personal information requested, including, but not limited to, any education and experience requirements established by the program's eligibility requirements.

All respective fees must be paid to IPC prior to the beginning of any IPC Certification assessment. Failure to remit the required fees will result in revocation of status, which may limit the certificant's access to IPC certification materials and privileges.

Application and Testing Fee Schedule

CIS Computer-Based Exams

The registration costs for a CIS computer-based exam are:

IPC Members - \$85

IPC Non-Members - \$110

CIS Paper and Pencil Exams

The registration costs for a CIS Paper and Pencil exam are:

IPC Members - \$120

IPC Non-Members - \$145

CIS Computer-Based Retest Fees

The registration costs for a CIS retest using a computer-based exam are:

IPC Members - \$85

IPC Non-Members - \$110

CIS Paper and Pencil Retest Fees

The registration costs for a CIS retest using a Paper and Pencil exam are:

IPC Members - \$120

IPC Non-Members - \$145

CIS Computer-Based Exams (Remote Proctoring)

The registration costs for a CIS computer-based exam are:

IPC Members - \$115

IPC Non-Members - \$140

CIS Computer-Based Retest Fees (Remote Proctoring)

The registration costs for a CIS retest using a computer-based exam are:

IPC Members - \$115

IPC Non-Members - \$140

Criteria for Initial Certification

Certified IPC Specialist (CIS)

All candidates in good standing that meet the minimum Prerequisites shall be allowed to schedule an exam with one of IPC's Certification centers.

To qualify for Certified IPC Specialist certification, a candidate shall fulfill the following requirements:

Personal Identifying Information

IPC requires that all candidates complete a Certification Profile, that includes, but is not limited to, their legal name, home address, and date of birth. This information is utilized by IPC to confirm the identity of Candidates and Certificants. IPC does not sell or share e-mail addresses with other organizations without the express permission of the user. IPC does not sell contact information from the database. Please see the IPC Privacy Policy for additional information: <https://www.ipc.org/privacy-policy>

Candidates shall complete their Certification Profile on the IPC EDGE Learning Management System, regardless of assessment method.

Candidates can access their Certification Profile from their IPC EDGE user dashboard or from any certification program hosted on the IPC EDGE Learning Management System.

Please ensure that all personal profile information provided is accurate prior to submission to IPC. IPC is responsible, as an International Certifying Body with the proper identification of all certificants. These policies and procedures are established to ensure accuracy and eliminate potential fraud. Providing fraudulent profile information is a violation of the IPC Certification Policies and Procedures and may be remedied through the revocation of certification status and restrictions of future certifications.

Certificant's Name

The security and integrity of IPC Certification programs is contingent upon IPC's ability to properly and accurately identify certificants. Therefore, a certificant shall only list their legal name on their IPC profile to ensure that this is reflected on their certification. Certificants seeking to change their name with IPC shall submit such requests in writing, and provide legal documentations supporting the name change, including a detailed explanation explaining why the name change is necessary. Documentation submitted through trainers will not be accepted. The requested name change shall match the supporting documentation. If an individual legally changed their name, they shall provide a copy of legal documentation related to the name change, such as a marriage certificate or a court order.

Mandatory Certification Exam(s)

CIS training is modular. Each IPC Certification Committee determines the mandatory and optional course module(s) for the program it oversees. Candidates obtain certification upon successful completion of the mandatory modules and all relevant prerequisites.

Optional Certification Exam(s)

After earning a certification, a certificant may opt to attempt the program's optional modules. Once all the prerequisites and assessments for the optional modules are completed, the Certificant's certificate will be updated to include the optional modules. In some cases, an additional certificate may be granted. All optional modules must be taken within 90 days of completion of the mandatory module. If a candidate needs to add an optional module after 90 days, the candidate will be required to take the mandatory module again.

7. Certification Exam Overview

Mandatory Certification Requirements

A CIS may choose to test to any of the following standard-specific endorsement exams. The required exams for each endorsement are listed below. Each exam will have a different number of questions.

J-STD-001 Endorsement

Prerequisite: None

Requirement: Module 1 Introduction and Basic Requirements –Endorsement Exam

IPC-A-600 Endorsement

Prerequisite: None

Requirement: Module 1 Introduction and Cleanliness Testing –Endorsement Exam

IPC-A-610 Endorsement

Prerequisite: None

Requirement: Module 1 Intro, Acceptability, Applicable Documents and Handling –Endorsement Exam

IPC-6012 Endorsement

Prerequisite: None

Requirement: Endorsement Exam

IPC/WHMA-A-620 Endorsement

Prerequisite: None

Requirement: Module 1 - Intro, General, Applicable Documents, Preparation, Measuring and Testing Endorsement Exam

IPC-7711/7721 Endorsement

Prerequisite: None

Requirement: Module 1 Common Procedures –Endorsement Exam

Certified Interconnect Designer Basic Endorsement (CID)

Prerequisite: None

Requirement: - Endorsement Exam

Certified Interconnect Designer Advanced Endorsement (CID+)

Prerequisite: None

Requirement: - Endorsement Exam

Certified IPC Specialist Endorsement

Module and Workmanship Requirements

A candidate may add optional modules, if a candidate chooses to pursue an additional optional module they will have 90 days from when initial certification or recertification is awarded to complete the additional optional module. Space Addendum exams must also be completed in 90 days. These exams are revision specific and must be completed with the corresponding Endorsement exam revision. Optional modules will have mandatory prerequisites. Below are the requirements for the respective endorsements at the time of publication. Previous revisions may have course specific requirements.

J-STD-001 Optional Modules

Module 2 Wires & Terminals

Prerequisite: Successful Completion of Module 1

Requirement:

- Module 2 Wire & Terminal Workmanship Assessment
- Endorsement Exam

Module 3 PCB, Coating, Encapsulation and Staking

Prerequisite: Successful Completion of Module 1

Requirement:

- Module 3 PCB, Coating, Encapsulation and Staking Assessment
- Endorsement Exam

Module 4 Through Hole Technology

Prerequisite: Successful Completion of Module 1

Requirement:

- Module 4 Component Prep/Mounting, PTH Workmanship Assessment
- Endorsement Exam

Module 5 Surface Mount Technology

Prerequisite: Successful Completion of Module 1

Requirement:

- Module 5 SMT Workmanship Assessment
- Endorsement Exam

Module 6 Inspection Criteria

Prerequisite: Successful Completion of Module 1

Requirement:

- Module 6 Inspection Workmanship Assessment
- Certification Exam (If a Certificant successfully completes J-STD-001 Modules 1, 2, 3, 4 and 5, the Inspection Criteria Certification Exam is not required to complete the Module 6 Inspection Criteria Optional Module. In this case the Inspection Workmanship Assessment must still be completed.)

J-STD-001 Space Endorsement

Prerequisite: The successful completion of J-STD-001 Module 1 plus at least one J-STD-001 optional module.

Requirement:

- Endorsement Exam of the same Revision

IPC-A-600 Optional Modules

Module 2 Externally Observable Characteristics

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 3 Internally Observable Characteristics

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 4 Miscellaneous

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

IPC-A-610 Optional Modules

Module 2 Soldering and High Voltage

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 3 Component Damage, Printed Boards and Assemblies

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 4 Terminal Connections

Prerequisite: The successful completion of IPC-A-610 Modules 1 and 2

Requirement: Endorsement Exam

Module 5 Through-Hole Technology and Jumper Wires

Prerequisite: The successful completion of IPC-A-610 Modules 1, 2, and 3

Requirement: Endorsement Exam

Module 6 Surface Mount Technology and Jumper Wires

Prerequisite: The successful completion of IPC-A-610 Modules 1, 2, and 3

Requirement: Endorsement Exam

Module 7 Hardware

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

IPC-6012 Space Endorsement

Prerequisite: Requires the successful completion of the IPC-6012 Certification Exam

Requirement: Endorsement Exam of the same Revision

IPC/WHMA-A-620 Optional Modules

Module 2 – Crimp Terminations and Insulation Displacement Connection

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 3 – Soldered Terminations and High Voltage Applications

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 4 – Connectorization, Over-Molding/Potting

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 5 – Ultrasonic Welding and Splices

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 6 – Marking/Labeling, Securing and Finished Assembly Installation

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 7 – Coaxial and Biaxial Cable Assemblies

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

Module 8 – Harness/Cable Electrical Shielding and Cable/Wire Protective Coverings

Prerequisite: Successful Completion of Module 1

Requirement: Endorsement Exam

IPC/WHMA-A-620 Space Endorsement

Prerequisite: The successful completion of all IPC/WHMA-A-620 CIS mandatory and optional modules

Requirement:

- Endorsement Exam of the same Revision
- IPC/WHMA-A-620 Space Workmanship Assessment

IPC/WHMA-A-620 Workmanship Assessments

Workmanship Module 1 (H1)

Prerequisite:

- IPC/WHMA-A-620 Module 1

Requirement: IPC/WHMA-A-620 Workmanship Assessment (H1)

Workmanship Module 2 (H2)

Prerequisite:

- IPC/WHMA-A-620 Workmanship Module 1 (H1)
- IPC/WHMA-A-620 Module 1, Module 2

Requirement: IPC/WHMA-A-620 Workmanship Assessment Module 2 (H2)

Workmanship Module 3 (H3)

Prerequisite:

- IPC/WHMA-A-620 Workmanship Module 1 (H1)
- IPC/WHMA-A-620 Module 1, Module 3
- Requirement: IPC/WHMA-A-620 Workmanship Assessment Module 3 (H3)

Workmanship Module 4 (H4)

Prerequisite:

- IPC/WHMA-A-620 Workmanship Module 1 (H1) and Module 2 (H2)
- IPC/WHMA-A-620 Module 1, Module 2, Module 4

Requirement: IPC/WHMA-A-620 Workmanship Assessment Module 4 (H4)

Workmanship Module 5 (H5)

Prerequisite:

- IPC/WHMA-A-620 Workmanship Module 1 (H1)
- IPC/WHMA-A-620 Module 1, Module 5

Requirement: IPC/WHMA-A-620 Workmanship Assessment Module 5 (H5)

IPC-7711/7721 Optional Modules

Module 2 Wire Splicing

Prerequisite: Successful Completion of Module 1

Requirement: Module 2 Workmanship Assessment

Module 3 Conformal Coating

Prerequisite: Successful Completion of Module 1

Requirement: Module 3 Workmanship Assessment

Module 4 Through Hole Components

Prerequisite: Successful Completion of Module 1

Requirement: Module 4 Workmanship Assessment

Module 5 Chip & MELF Components

Prerequisite: Successful Completion of Module 1

Requirement: Module 5 Workmanship Assessment

Module 6 Gull Wing Lead components

Prerequisite: Successful Completion of Module 1

Requirement: Module 6 Workmanship Assessment

Module 7 J-Lead Components

Prerequisite: Successful Completion of Module 1

Requirement: Module 7 Workmanship Assessment

Module 8a - Optional

Prerequisite: Successful Completion of Module 1

Requirement: Module 8 Company Specific Workmanship Assessment

Module 9 Laminate Repair

Prerequisite: Successful Completion of Module 1

Requirement: Module 9 Workmanship Assessment

Module 10 Circuit Repair

Prerequisite: Successful Completion of Module 1

Requirement: Module 10 Workmanship Assessment

8. Assessment Methods and Policies

IPC Certification exams generally offered in three modalities: Online Proctored Exams, Remote Proctored Exams, and Paper & Pencil Proctored Exams. In order to ensure the integrity of the examination process, candidates may not change modalities after beginning the assessment process for an IPC Certification. All exams associated with that certification shall be completed using the same modality.

Online Exams

IPC Certification Exams are online exams offered through the IPC EDGE Learning Management System. Candidates complete their certification assessments via online testing while actively monitored by a live proctor. The Online Exam format is to be used as the default mechanism for all certification exams.

Minimum system requirements: IPC's EDGE platform has been tested on a variety of operating systems, while many are compatible, IPC recommends having hardware and software conducive to online examinations.

To ensure better quality, IPC recommends using at least a 15" monitor and a computer running the latest operating system. IPC also recommends utilizing one of the latest version of the following browsers:

Chrome
Firefox

Running additional programs even in the background during testing may directly affect the performance of the exam administration and is prohibited. Any attempt to screen capture or record a candidate's screen during the certification assessment process is considered a violation of these policies and procedures and may potentially result in the suspension of the candidate's and proctor's certifications, as well as other legal penalties.

Paper & Pencil Exams

IPC Certification exams are also offered in a paper and pencil format. Candidates complete their Paper and Pencil assessments using a printed exam and answer sheet while monitored by a live proctor.

The use of pencil and paper exams may only be utilized in specific cases where the use of the online exam format is not possible due to the lack of local infrastructure, ITAR compliance, or other legal restrictions. All efforts will be made to ensure examination integrity when provided in this format.

Remote Proctoring Exams

Select IPC Certification exams are also offered in a remote proctored format. Candidates complete these online assessments through the IPC EDGE Learning Management System and are monitored by a combination of Artificial Intelligence, live proctors, and video/audio recording and analysis to monitor candidates as they sit for the certification exams. Unlike the Online Exams modality, Remote Proctoring Exams do not require a proctor physically present while testing.

Candidates choosing to sit for their examination via this method will have to pay an additional fee.

Candidates shall adhere to the system requirements listed under remote proctoring. The Remote Proctoring system requirements below are in addition to those required for IPC EDGE:

- Windows: 10,11 - Mac: OS X 10.13 or higher
- Web camera (internal or external) & microphone
- A broadband internet connection

These requirements may change as technology improves and evolves. Please reference the Remote Proctoring Guide on IPC EDGE for the latest system requirements.

If using a company issued device, you may need to work with your IT department to download the required software. Please note you must have administrator rights that allow you to download software to the computer on which you wish to take the certification exam.

Remote proctoring is not available for workmanship assessments at this time.

Workmanship

All workmanship projects shall be viewed and evaluated, in-person by a Certified IPC Trainer (CIT) or Master IPC Trainer (MIT).

No remote proctoring, demonstrations, or evaluations of workmanship projects is authorized.

Certification Exam Proctoring

Exam Proctor

The certification exam proctor shall:

- a) Make certain the area where the candidate takes the exam is quiet and free from distractions on the arranged day and time of the exam (e.g., the area will not also be in use by others whose activities might disrupt the candidate).
- b) Read the exam instructions included in the exam packet to all candidates before beginning the exam.
- c) Verify the candidate's identification by requesting to see a photo identification. Acceptable forms of photo identification include:
 - a. Valid government issued driver's license
 - b. Valid government identification
 - c. Military identification
 - d. Valid passport
 - e. Other government issued photo identification
- d) Maintain secure and proper test administration procedures, including relocation of candidates.
- e) Ensure that candidates are seated for maximum separation (depending on available space). If necessary, the proctor will move desks prior to the beginning of the exam to achieve maximum separation.
- f) Ensure that candidates are spaced in a manner that prevents them from seeing the computer screen or papers of another candidate.
- g) Ensure that candidates place all personal items that are not pre-approved by the Policies and Procedures for use during the exam in a secure location until the end of the exam period.

- h) Ensure that there is no speaking amongst candidates during the exam process.
- i) Ensure that no testing materials are taken out of the examination room.
- j) Never leave the candidates unsupervised during the certification exam. The proctor may assign a temporary relief person in the case of an emergency. This individual is responsible for enforcing the proctoring rules in the absence of the proctor.
- k) Ensure that exams are completed in a single block of time. The proctor may allow short breaks of less than 20 minutes in duration if they do not compromise the integrity of the examination.
- l) Ensure that each certification exam is administered in the time specified by the standard or set of criteria that governs that certification program.
- m) Ensure that exams are scheduled in a time frame that allows candidates ample time to complete the assessment.
- n) Ensure that candidates may not continue exams beyond the cut off time, unless an accommodation based on the candidate's special needs have been approved by IPC in writing.
- o) Terminate any exam if the proctoring or testing procedures are compromised by a Candidate's improper conduct. The proctor shall notify IPC immediately when a certification exam is terminated.
- p) Ensure that guests are not allowed in the examination room during testing.
- q) Ensure that the certification exams are only scheduled during a period of time when the candidates can be actively monitored by a proctor.
- r) Only commence the exam once all student verifications and room set up is completed.

Certification Candidate

Certification candidates shall:

- a) Review the proctoring rules for certification exams as outlined in this document.
- b) Establish their identity prior to the beginning of the certification exam by providing their proctor a government issued identification with a name that matches the name used during the registration process.
- c) Ensure that all electronic devices not used to deliver the online exams are shut off (not just silenced or put to sleep) and secured outside of the reach of candidates along with all other personal items that are not pre-approved by the Policies and Procedures for use during the exam.
- d) Not use their cell phones during the exam. If a calculator is required for the exam, the candidate may not use their cell phone as a calculator.
- e) Not communicate with any other candidate, in any manner, for any reason, during the exam.

- f) Submit their exam booklet and answer sheet directly to their proctor upon completion of their exam.

Testing Accommodations

IPC has based its accommodations process in accordance with the Americans with Disabilities Act (ADA) and IPC will ensure that no individual is deprived of the opportunity to take the certification examination solely by reason of a disability as defined by the ADA. Reasonable accommodations for testing shall be provided at no additional cost to candidates with diagnosed and documented special medical needs.

In order to request special accommodations for a certification exam, a candidate must submit a Certification Exam Accommodations Form six weeks prior to the date of the exam.

Along with the form the candidate must submit the following records:

For individuals with a learning disability:

In addition to the Certification Exam Accommodations Form, please submit relevant diagnostic test results detailing the specifics of the learning disability as they relate to the requested accommodation.

For individuals with a medical issue:

Certification Exam Accommodations Form, please have the appropriate medical professional submit a letter detailing the nature of the medical disability and the reasons for requesting the accommodations.

Documentation submitted with the Certification Exam Accommodations Form must be written on the professional's letterhead and must have an original signature. The date of this letter may not exceed 5 years prior to the date of the request.

No applicant shall be offered an accommodation that would compromise the candidate's ability to test accurately the skills and knowledge it purports to measure. Also, **no additional aid or service will be provided that would fundamentally alter the examination or security of IPC's content.**

What should candidates bring to their exam?

Candidates shall bring the following with them to their certification exam:

- a) Any materials (such as calculators, tools, etc.) specified in the certification program's Policies and Procedures as permissible for use during the exam.
- b) A government issued identification. Examples of acceptable photo IDs include:
 - a. Valid government issued driver's license
 - b. Valid government identification
 - c. Military identification
 - d. Valid passport
 - e. Other government issued photo identification

Each candidate shall have access to either an electronic or printed standard for use during a standards-based certification exam. Candidates may be provided access to electronic or printed standard by their proctor. Standards used for certification assessments shall be free of any writing, highlighting, or other marks. Only original, legally purchased copies of standards shall be used for certification testing. Candidates may not share documents or standards during the certification exam. Candidates may not write in their standard during the certification assessment process.

Exam Language

IPC certification exams are initially developed in the English language. Foreign language translations of certification exams may become available on a case by case basis.

Exam Results and Certificates

Exam Results

All IPC exams are pass/fail assessments designed to measure a minimum level of competence. The time frame and method of obtaining exam results will vary based on the type of assessment utilized.

Online Exams

The results of any exam taken on the IPC EDGE Learning Management System are available as soon as the candidate submits the exam, or the exam time expires.

Paper & Pencil Exams

Exam results may require several days to score and validate. Proctors shall enter the results for paper and pencil exams in the IPC EDGE Learning Management System within one calendar week of the exam date.

Certificate Issuance

Candidates that successfully complete the requirements of an IPC certification program will receive a certificate verifying completion of that program. IPC certificates are issued directly to the candidate via their IPC EDGE Learning Management System account.

The process of downloading of the candidate's certification from EDGE is the final step in the certification process. The effective date of the certification is based off the date of successful completion of the mandatory module; however, **Certifications are not considered valid until it has been downloaded at least once.**

Certifications are only available for download from IPC EDGE for a period of 180 days after completion of the program. Only a candidate may download their certification. Instructors and proctors are not granted access to candidate certificates on the IPC EDGE Learning Management System; but may be granted access to completion information on the portal.

Instructors, proctors, and any other third party may request and obtain copies of certificates directly from the certificant. IPC will only verify the authenticity of certificates and provide

summary reports for instructor record keeping. IPC does not provide copies of certificates to any individual other than the certificant.

Certificate Information & Ownership

A candidate's certificate will bear the candidate's name, certification number, certification expiration date, optional modules or endorsements completed, the name of the candidate's instructor, and the instructor's employer.

Candidates may print copies of their certificate for personal and professional use, in compliance with this document.

All certificates are issued to the candidate, however they remain the property of IPC, which may withdraw, cancel, revoke, change the scope of, or otherwise annul the certification for cause.

Failure

Candidates that fail to pass a certification exam may attempt to retake the exam after the cool down period specified in the certification program's Policies and Procedures. The method utilized for the retake attempt must be the same method of the initial attempt. For example; if a candidate's initial attempt utilized the online examination method and the candidate fails, the retake attempt must also utilize the online examination method as well.

Cool Down Period

The certification exam cool down period is used to protect the integrity of certification exam items and to ensure that candidates are afforded the opportunity to obtain additional training as necessary. Candidates are afforded one complimentary retest of the failed portions of their certification written exam. Any subsequent attempts are subject to the retest fee.

First Failure

In the event that a candidate fails his or her first attempt to pass a certification exam, the candidate shall wait a minimum of 1 calendar day before attempting a retest.

Second Failure

In the event that a candidate fails his or her second attempt to pass a certification exam, the candidate shall wait a minimum of 2 calendar days before attempting a retest.

Third Failure

In the event that a candidate fails his or her third or subsequent attempt to pass a certification exam, the candidate shall wait a minimum of 7 calendar days prior to attempting a retest.

Candidates may opt to retest only the failed portion(s) of the certification written examination or the workmanship project, if completed within 90 calendar days following the initial failed exam. If the candidate waits longer than 90 calendar days they must retake all required modules as if they were a new candidate.

Certification Exam Security

All certification exam materials are confidential, proprietary, and the exclusive property of IPC. IPC exam materials are made available to candidates for the sole purpose of assessing competency. All candidates are expressly forbidden from recording, copying, disclosing, publishing, reproducing, or transmitting the examination, in whole or in part, in any form or by any means, verbal or written, for any purpose, without the prior written consent of the IPC Certification Office. Non-compliance with this policy may lead to suspension or revocation of a certificant's certification, along with possible legal action.

Cheating and Irregularities

Cheating, inappropriate exam administration, environmental disruptions that affect testing, or any other irregularity shall be immediately reported to the IPC Certification Office. All such incidents shall be investigated and acted upon in accordance with the latest version of the IPC Policies and Procedures. IPC reserves the right to take any action deemed appropriate, including revocation of certification and legal action.

Individuals who engage in any of the following misconduct or exhibit any of the following behaviors during their examination may be subject to one or more of the actions listed in the subsection below.

- Attempting to take the examination for someone else or taking the examination for someone else.
- Attempting to have someone else take the examination for you or having someone else take the examination for you
- Attempting to aid an individual or receive aid to complete the examination.
- Bringing any materials, devices, or items to the examination appointment session that may compromise the security or validity of the administration.
- Falsification of the certification application.

If IPC obtains information that an individual engaged in any misconduct, as defined in the Policies and Procedures, IPC, in its sole discretion, may take one or more actions, including but not limited to:

- Placing a hold on the individual's ability to schedule an examination appointment.
- Placing a hold on the individual's ability to register for an examination.
- Suspension of the test administration.

- Forfeiture of all testing fees.
- Termination of the test administration.
- Withholding the reporting of the examination score or invalidation or cancellation of an examination score
- Disqualification from IPC's Certification Programs or revocation of your IPC credential.

9. Certification Term

The certification term for the CIS program is 2 years. The certification term begins on the date a candidate successfully completes all the program's minimum certification requirements.

Certifications only reflect the expiration month and year. Certifications expire the last day of the expiration month, regardless of the day of the month the certification was granted.

Certification Renewal Period

The IPC recertification program helps to ensure the continued competence of certificants as tools, processes, and technologies evolve. Prior to the conclusion of the certification term, certificants shall demonstrate they have successfully met the requirements of one of the renewal methods listed in this section.

All certification renewals may only occur within six calendar months prior to the expiration of an existing certification. When a Certificant renews their certification within 6 months of the certification expiration date, the renewed certification will be valid for an additional 2 years from the expiration date of their currently held certification.

Certification Renewal Requirements and Process

Renewal through Testing

Certified IPC Specialist (CIS)

A CIS may renew his or her certification by completing the IPC training and certification program for that certification **or** by successful completion of that program's certification exams and/or assessments only. Though not required for renewal of certification, training is strongly encouraged due to the rapid evolution of technology, standards and best practices.

General Renewal through Retesting Policies

To renew their certification through testing only, Certificants shall follow all of the certification program's application procedures and schedule the recertification exam with an active IPC CIT or MIT.

All retests follow the same policies and procedures as initial certification testing, including the cool down period after failures.

Certificants are responsible for all recertification testing fees.

Recertification Compliance

Failure to comply with recertification requirements will result in the expiration of certification, removal of the Certificant's credential, and a revocation of the rights afforded program certificants.

10. Verification of Certification Status

Employers and other third parties may enter an IPC Certification Serial Number into the IPC Credential Verification System to verify the certificate's authenticity.

The IPC Credential Verification System may be accessed at the following URL:
<https://my.ipcedge.org/>.

Upon entering a valid Certification Serial Number, the system will present, at minimum, the following information for validation:

- a. The Certificant's name.
- b. The IPC program completed by the Certificant.
- c. The date the Certificant became certified.

Upon entering an invalid Certification Serial Number, the system will present a message stating that the credential could not be validated.

No information classified as confidential is disclosed through the IPC Credential Verification System.

11. Grievance, Appeal, Change of Scope, Suspension, and Revocation Policies

Grievances

Individuals that encounter a problem with IPC certification assessments, personnel, training centers, certificants, or other elements of an IPC certification program may use the grievance procedure.

The purpose of the grievance procedure is to ensure that:

- a. Individuals that participate in the IPC certification process have a suitable method to communicate any complaint or concern about the process.
- b. Ensure that any issues with the IPC Training or Certification Programs are identified and addressed by the IPC Certification Program Office.

This procedure is the only method of resolving complaints, disputes, and irregularities involving the IPC certification system and IPC certified persons. The procedure does not constitute a legal proceeding or a contract between IPC and the party lodging a grievance and/or appeal.

Grievance Policies

- a. Grievances may not be filed anonymously.
- b. An IPC Director will ensure that the grievance is investigated and handled at the proper level of authorization and if necessary seek the aid of impartial and independent technical experts.
- c. An IPC Director will ensure that the staff member assigned to investigate and resolve the grievance does not have a conflict of interest and remains impartial during the grievance resolution process.
- d. All information obtained during the grievance resolution process is confidential to the extent allowed by law.
- e. Information obtained in the course of investigating the issue will not be disclosed to any third party except as required by law.
- f. Individuals named or referenced in the grievance may be informed about relevant aspects of the grievance.

Grievance Procedure

The party lodging the grievance shall complete and submit the IPC Grievance Form located on IPC's website (<https://www.ipc.org/ipc-certification-forms>) within 10 business days of the date on which the issue that generated the grievance occurred, OR a maximum of 10 business days following the date on which the individual or group representative could have been reasonably expected to become aware of the issue that led to the grievance.

The party that submitted the grievance will receive an email acknowledging receipt of the IPC Certification Grievance Form within 5 business days of receipt.

An IPC representative(s) may contact the party who submitted the grievance form to obtain additional information.

An IPC representative(s) will investigate the grievance and issue an official finding via email to the party who submitted the grievance form within 30 days from the date on which the form was submitted.

The Right to Appeal

Candidates and Certificants have the right to file an appeal on matters relating to their application, examination, certification, recertification or other matters affecting their status as a candidate or certificant.

Appeals Policy and Procedures

The appeals process outlined in this document is designed to ensure fairness for all certification applicants, candidates, and certificants. There are currently three types of appeals: Eligibility Appeals, Certification Appeals, and Grievance Appeals.

Eligibility Appeals Policy

Applicants that are denied eligibility to sit for a certification exam may request a reconsideration of the denial by filing an appeal with the Certification Program Office at <https://ipcinc.atlassian.net/servicedesk/customer/portal/2>.

Certification Appeals Policy

Candidates that are denied initial certification or recertification may file an appeal in a situation where:

- a. The candidate believes that an error in the scoring of the certification exam occurred.
- b. The candidate is challenging the technical contents of the certification exam.
- c. The candidate's ability to successfully complete the certification exam was hindered by administrative issues or extreme environmental factors while testing.
- d. The IPC EDGE System experienced a system-wide error preventing students from completing their exam. This does not include localized errors occurring at the point of testing.
- e. The candidate believes that an error occurred when evaluating their recertification application.

Grievance Appeals Policy

Grievances are considered closed upon the issuance of an official finding. The original grievant in the official finding may appeal the decision by IPC if any of the following apply:

- a. Additional information or evidence not considered in the original investigation is identified or collected.
- b. The party believes that IPC erred during the investigation or in the application of the most recent version of the IPC Policies and Procedures document.

Appeals Procedure

1. Individuals shall complete and submit the IPC Certification Appeal Form to initiate the Appeals process.
2. Appeals shall be submitted within 10 calendar days from the date on which IPC issues an official finding after investigating a grievance, or 10 calendar days from the date on which IPC denies an Applicant's eligibility for certification, initial certification, or recertification.
3. The party that submitted the Appeal will receive an email acknowledging receipt of the IPC Appeal Form within 2 business days of receipt.
4. The IPC Director of Certification or other IPC representative may contact the party who submitted the IPC Certification Appeals Form to obtain more information.
5. An IPC representative(s) will review the original documentation, the reasoning behind the Appeal, and any new evidence presented through the Appeal. Only the information leading up to the appeal, the documentation submitted through the appeal process, and information gathered through any investigation will be considered as part of the appeal. The appeal shall not include a hearing or similar trial-type proceeding.
6. IPC will issue a final decision via email to the party who submitted the IPC Certification Appeal Form within 30 days from the date on which the form was submitted.
7. The determination of appeals made by IPC shall be final.

12. Additional Policies

Regional Restrictions

The following modifications to the IPC Policies and Procedures apply in Greater China, Thailand, Vietnam, and India.

Certification Proctoring Restriction

Any Licensed Training Center, CIT, or MIT that desires to conduct a certification exam in Greater China, Thailand, Vietnam, and India shall obtain written permission from IPC before scheduling or conducting the exam.

Additional CIT Restrictions

CITs operating within Greater China, Thailand, Vietnam, and India shall also abide by the following restrictions:

- a. A CIT may only train individuals employed by their organization. This restriction does not apply to faculty members of academic institutions, such as technical schools or community colleges that conduct CIS training for their students.

Use of Certificates, Logos, and Marks

IPC certificants are granted the right to use designated IPC certificates, marks, and logos to demonstrate achievements and competencies. IPC certificates, marks, and logos are the property of IPC and shall be used in strict accordance with the guidelines listed in this document as well as local, state, federal, and international laws and regulations. Use of IPC certificates, marks, or logos by individuals that do not hold a valid certification at the time of use is expressly prohibited. IPC will take legal action and/or publication of misconduct to protect against the misuse of IPC certificates, logos, and marks.

Certificates

- a. Permission to use an IPC certificate, mark, or logo is limited to IPC Certificants who satisfy all certification requirements established by IPC, and shall not be transferred to, assigned to, or otherwise used by any other individual, organization, or entity.
- b. Certificants shall not make any misleading statement regarding the status of their IPC certification.
- c. Certificants shall not suggest that IPC certification relates to persons, activities, processes, products etc. that are not included in the scope of certification.
- d. After suspension, withdrawal, resignation, or expiration of IPC certification, Certificants shall not continue to use IPC certificates, logos, or other expressions that suggest the certification is still valid.
- e. Incorrect, unlawful, or misleading use of IPC certificates and certification marks is considered a critical non-conformity with IPC certification requirements and will result in immediate suspension of certification.
- f. IPC certificates shall not be altered in any way and shall be represented in their entirety.
- g. Use of IPC certificates do not exonerate Certificants from any liability imposed by law regarding the performance of their services.
- h. IPC will take action to deal with incorrect, unlawful or misleading references to certification or use of certificates and certification marks. IPC reserves the right to take any action deemed appropriate, including revocation of certification and legal action.

Logos and marks

- a. Certificants may only use IPC logos and marks legally obtained directly from IPC.
- b. Certificants shall not use IPC logos and marks on test reports, certificates, or other compliance documents.
- c. Certificants cannot authorize a third party to use IPC logos or marks.
- d. Certificants shall not use IPC logos or marks in any way that disparages IPC or its services, infringes on IPC's intellectual property or other rights, contains any objectionable content, or violates any local, state, federal, or international laws or regulations.
- e. Certificants are responsible for any misuse, unauthorized use, or damage caused to any party as a result of their use of IPC logos or marks.
- f. IPC has the right to revoke its permission to use IPC logos and marks at any time, by providing notice to the Certificant.
- g. Certificants shall not translate the text of any IPC logos or marks.
- h. IPC logos and marks shall be represented in their entirety.
- i. IPC logos and marks can be enlarged or reduced as long as the scale is not distorted, and any text remains legible.
- j. Nothing shall be added, removed, or placed in close proximity to any IPC logos or marks.
- k. IPC logos may only be represented in their intended colors or in black and white.
- l. IPC will take action to deal with incorrect, unlawful, or misleading use of IPC logos or marks. IPC reserves the right to take any action deemed appropriate, including revocation of certification and legal action.

Data Management and Privacy Policy

Confidentiality

- a. IPC observes strict legal and ethical guidelines to preserve the confidentiality of candidates, certificates, score results, and all certification related materials.
- b. IPC is the sole owner of the information collected as part of IPC training and certification processes, including the data on the IPC EDGE Learning Management System.
- c. The information collected as part of IPC training and certification processes is used by IPC for identification and verification purposes only and is considered confidential.
- d. IPC does not share or sell contact information collected as part of IPC training and certification processes to third parties.
- e. IPC will not share or sell email addresses collected as part of IPC training and certification processes without the express permission of its owner.
- f. IPC allows third parties to use the IPC EDGE Learning Management System to verify an individual's certification status.

Security

- a. All personally identifiable information collected as part of IPC training and certification processes is stored in restricted and secured databases.
- b. IPC employees that require access to information collected as part of IPC training and certification processes to perform a specific function are granted access on a case by case basis.
- c. Servers that store personally identifiable information are secured in a locked facility.

Notifications

- a. IPC may use personal information collected as part of IPC training and certification processes for identification and communication purposes.
- b. IPC may use personal information collected as part of IPC training and certification processes to notify users about their certification, grievances, disciplinary actions, or any other matter related to IPC training and certification processes.
- c. All written communication from IPC will be delivered via email or postal delivery.

Information Disclosure

Though every effort is made to preserve user privacy, it may be necessary to disclose personal information when required by law, including, but not limited to, circumstances where there is a good-faith belief that such disclosure is necessary to comply with a judicial proceeding, a court order, or legal process.

Additional Information

Additional information concerning the IPC privacy policy can be found at:

<https://www.ipc.org/privacy-policy>

Limitation of Liability

In no event shall IPC be liable for any indirect, special, incidental, or consequential damages, including lost profits of any kind regardless of the form of action, whether in contract, tort (including negligence), strict liability, or otherwise, even if IPC has been advised of the possibility of such damages. This limitation will apply notwithstanding any failure of essential purpose of any limited remedy provided herein. IPC's maximum liability under its certification programs shall not exceed the exam fee paid to IPC for the most recent exam.

Copyright of Materials

Unless otherwise noted on the material or permitted by IPC in writing, any reproduction of IPC materials is strictly forbidden.

Training materials provided by IPC shall only be utilized by Certified IPC Trainers (CIT), or Master IPC Trainers (MIT) to conduct training that leads to issuance of an Official IPC Serialized Certificate.

IPC training and exam materials may not be copied, studied, or otherwise used by anyone other than authorized Certified IPC Trainers (CIT), or Master IPC Trainers (MIT).

The training and examination materials in IPC's Certification programs are the confidential, copyrighted property of IPC. If you copy, reproduce, and/or distribute any training or examination materials, by any means, including by memorizing and reconstructing them, you are violating the legal rights of IPC's Certification program. IPC will use every legal means available to protect the copyrighted materials and secure redress against those who violate copyright law.

In addition to being a copyright violation any reproduction of the training and/or examination materials by candidate or certificant will result in disqualification from IPC's Certification Programs and revocation of your IPC credential.



March 12, 2024

Dear Members of the Master Credential List Board,

I am writing to address the recent denial of inclusion of IPC International's certifications on the Florida Department of Education's Master Credential List. The denial was based on the determination that our credential has a required curriculum and therefore does not satisfy the definition of an industry certification.

I would like to provide further clarification on IPC's certification policies and procedures to remove any concerns regarding the inclusion of our certifications. IPC International is a leading organization in the field of workforce development, offering certifications that are widely recognized and respected within the industry.

Our certification programs are designed to assess an individual's competency in specific skills and knowledge areas relevant to their respective fields. While we provide recommended training materials and resources to help candidates prepare for the certification exams, we do not mandate specific coursework or training programs as prerequisites for certification.

Furthermore, IPC certifications are developed in collaboration with industry experts and undergo rigorous validation processes to ensure their alignment with industry standards and best practices. Each certification exam is carefully crafted to assess practical skills and real-world knowledge, making them valuable credentials for employers seeking qualified candidates.

To address any concerns regarding the corresponding optional Certification preparatory course, I have attached documentation outlining IPC's certification policies and procedures. This documentation includes details on the certification development process, exam content outlines, candidate eligibility requirements, and certification requirements.

I respectfully request that the Master Credential List Board reconsider their decision and recognize IPC International's certifications as valuable industry credentials. Our certifications play a crucial role in advancing the skills and careers of individuals in the workforce, and inclusion on the Master Credential List would further validate their importance within the state of Florida.

Thank you for your attention to this matter. If you require any further information or clarification, please do not hesitate to contact me directly.

Sincerely,

Coreen Blaylock
Director, Workforce Partnerships

Joe Williams
Director, Certification Programs

Elizabeth Glenn

From: Christina Foreman <cforeman8@valenciacollege.edu>
Sent: Monday, March 11, 2024 7:23 PM
To: Adrienne Johnston; Jason McCandless
Cc: Master Credentials List; Pamela Nabors; cfeeney@msscusa.org; Tiffaney Barnes; Carolyn McMorran; Dave Giordano; Nilda Blanco
Subject: FW: Master Credentials List: Certified Forklift Technician

CAUTION: This email originated from outside our organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Ms. Johnston & Mr. McCandless,

My name is Christina Foreman and I am the Senior Director of Professional & Continuing Education for Valencia College. I'm writing to you today regarding the denial of our application for the MSSC Certified Forklift Technician credential to be considered for addition to Florida's Master Credentials List. Our request was denied because a determination was made that the credential has a required curriculum. Below is an excerpt taken from page 4 of the [MSSC Candidate & Certificiant Handbook](#) explaining that MSSC does not require individuals to take their courses to sit for the assessment to earn the credential.

This credential is imbedded in our [Certified Forklift Technician program](#) which is one of the offerings within the Transportation and Logistics cluster of [Accelerated Skills Training](#). Currently in its eighth year, Valencia's Accelerated Skills Training (AST) programs are an innovative pathway to a career and a better quality of life. The target audiences for the AST programs are low-income individuals, those who are unemployed or underemployed. Focusing on economic mobility, these short-term intensive programs give students the opportunity to earn nationally recognized industry credentials and a family sustainable wage.

Please reconsider the determination to add this credential as it will open doors for high-wage, in-demand careers in our region. If you need any additional information please don't hesitate to contact me. Thank you for your consideration.

Training Information

MSSC does not have any specific educational requirements in order to sit for the CFT pre-qualification assessment. However, MSSC strongly suggests that candidates possess at least a 10th grade reading (English) and 8th grade math level.

MSSC does not require candidates to take a specific course or training program in order to sit for the pre-qualification assessment.

MSSC CFT Course was developed in strict adherence to the industry-recognized, nationally validated standards upon which the Certified Forklift Technician (CFT) is based. These courses delivered by Amatrol have a proven track record of success in teaching the knowledge and skills identified in the national standards.

MSSC courses are highly interactive and utilize state-of-the-art, computer-based e-learning technologies and are delivered by MSSC-Authorized Instructors. MSSC does not authorize, review or endorse any other courses or curricula. **MSSC does not require that individuals take MSSC courses or any other MSSC-related courses before taking an MSSC Assessment.**

All the best,

Christina Foreman, M.Ed.
Sr. Director of Professional & Continuing Education
Valencia College | School of Public Safety | Rm 207
8600 Valencia College Ln Orlando, FL 32825 MC:3-33
407-582-5033 | cforeman8@valenciacollege.edu



From: Master Credentials List <mcl@careersourceflorida.com>
Sent: Monday, February 26, 2024 5:00 PM
To: Christina Foreman <cforeman8@valenciacollege.edu>
Cc: Pamela Nabors <pnabors@careersourcecf.com>; cfeeney@msscusa.org
Subject: Master Credentials List: Certified Forklift Technician

You don't often get email from mcl@careersourceflorida.com. [Learn why this is important](#)

EXTERNAL EMAIL: Use caution when clicking links or attachments.

Thank you for submitting credentials for consideration by the Florida Credentials Review Committee.

The Master Credentials List, required by the Reimagining Education and Career Help (REACH) Act, is a comprehensive list of state-approved degree and non-degree credentials of value that prepare Floridians for in-demand occupations. In order to be eligible for the Master Credentials List, a credential must satisfy the criteria of the [Framework of Quality](#) for demand, wages and, as appropriate, credential sequencing.

To be considered for addition to Florida's Master Credentials List, submitters must provide, at a minimum, evidence that the credential meets labor market demand as identified by the Labor Market Statistics Center within the Florida Department of Commerce or the Labor Market Estimating Conference or meets local demand as identified in the criteria adopted by the Credentials Review Committee. Evidence considered by the Credentials Review Committee includes employer information on present credential use or emerging opportunities.

Secondary and postsecondary industry certifications and licenses seeking eligibility for [Career and Professional Education \(CAPE\) Act](#) funding must submit a Master Credentials List application. The submission must meet both CAPE eligibility criteria set forth in [Rule 6A-6.0576, Florida Administrative Code & Florida Administrative Register](#) and standards defined in the Framework of Quality.

The credentials described below were received through the [Master Credentials List Application](#) online. A review team consisting of staff from CareerSource Florida, the Florida Department of Education, Division of Career and Adult Education, and the Florida Department of Commerce reviewed all credentials. The review team and Credentials Review Committee noted the following deficiencies in the credentials below:

Credential: Certified Forklift Technician
Submitter: Christina Foreman, Valencia College
Credential Provider: Manufacturing Skill Standards Council (MSSC)
Local area (if applicable): CareerSource Central Florida
Reason for denial: Based on the information provided and additional research conducted by the

evaluators, a determination was made that the credential has a required curriculum and therefore does not satisfy the definition of an industry certification.

Submitters are encouraged to resolve the deficiencies with these credentials and submit them prior to the deadline for consideration in advance of the next Credentials Review Committee meeting. Information about the Framework of Quality, Master Credentials List and answers to frequently asked questions can be obtained [online](#).

The process for appealing this decision is outlined in Section H of the [Credentials Review Committee Charter](#).

Thank you again for your participation in this process.

Sincerely,

Warren Davis
Policy Analyst
CareerSource Florida

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Elizabeth Glenn







From: Christina Foreman <cforeman8@valenciacollege.edu>
Sent: Monday, March 11, 2024 7:24 PM
To: Adrienne Johnston; Jason McCandless
Cc: Master Credentials List; Pamela Nabors; Carolyn McMorran; Dave Giordano; Mark Hughes; Nilda Blanco; ctyler@nccer.org
Subject: RE: Master Credentials List: Power Line Worker Level I



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Hello Ms. Johnston & Mr. McCandless,

My name is Christina Foreman and I am the Senior Director of Professional & Continuing Education for Valencia College. I'm writing to you today regarding our request to add the NCCER Power Line Worker Level I credential to Florida's Master Credentials List. The denial states that "the standard occupation code linked to the credential did not meet the demand criteria described in the Framework of Quality." However, this credential has been identified as a local demand and has been approved by CareerSource Central FL for WIOA.





ELECTRICAL POWERLINE TECHNICIAN W/ CDL CLASS A PS - Approved Provider Training - ITA 	A program that generally prepares individuals to apply technical knowledge and skills to become a lineman. Students learn to install indoor and outdoor residential commercial and industrial electrical systems and associated power transmission lines. Includes instruction in electricity safety procedures wiring insulation and grounding schematic blueprint interpretation equipment operation and maintenance and applicable codes and standards. This program includes the CDL Class A license training as it's imperative for lineman to have this license to haul utility poles.		Approved/Eligible
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We are requesting that the credential be added without the delineation for "secondary/post secondary" on the certification title. We are not requesting CAPE postsecondary funding, however removing the delineation from the title would allow Valencia College to utilize other funding sources such as the Open Door Grant to provide scholarships to students.

This credential is imbedded in our [Electrical Powerline Technician](#) program which is one of the offerings within the Construction and Maintenance cluster of [Accelerated Skills Training](#). Currently in its eighth year, Valencia's Accelerated Skills Training (AST) programs are an innovative pathway to a career and a better quality of life. The target audiences for the AST programs are low-income individuals, those who are unemployed or underemployed. Focusing on economic mobility, these short-term intensive programs give students the opportunity to earn nationally recognized industry credentials and a family sustainable wage.

To date, 142 students have graduated from our Electrical Powerline Technician program. The median age of our Electrical Powerline Technician students is 24, demonstrating that these career changers are utilizing the Power Line Worker Level I credential as a pathway into a new career. We have an in-field career placement rate of 92% with recent graduates earning an average starting wage of \$25.08/hr from top utility companies such as Duke Energy, Orlando Utilities Commission, Kissimmee Utility Authority, and Pike Electric. In addition to serving on our advisory board and hiring our graduates, Duke Energy has also provided \$200,000 over the past four years to scholarship students because this training is of such high demand.

Please consider our request as it will open doors for high-wage, in-demand careers in our region. If you need any additional information, please don't hesitate to contact me. Thank you for your consideration.

All the best,

Christina Foreman, M.Ed.
Sr. Director of Professional & Continuing Education
Valencia College | School of Public Safety | Rm 207
8600 Valencia College Ln Orlando, FL 32825 MC:3-33
407-582-5033 | cforeman8@valenciacollege.edu



From: Master Credentials List <mcl@careersourceflorida.com>
Sent: Monday, February 26, 2024 5:00 PM
To: Christina Foreman <cforeman8@valenciacollege.edu>
Cc: Pamela Nabors <pnabors@careersourcecf.com>; ctyler@nccer.org
Subject: Master Credentials List: Power Line Worker Level I

You don't often get email from mcl@careersourceflorida.com. [Learn why this is important](#)

EXTERNAL EMAIL: Use caution when clicking links or attachments.

Thank you for submitting credentials for consideration by the Florida Credentials Review Committee.

The Master Credentials List, required by the Reimagining Education and Career Help (REACH) Act, is a comprehensive list of state-approved degree and non-degree credentials of value that prepare Floridians for in-demand occupations. In order to be eligible for the Master Credentials List, a credential must satisfy the criteria of the [Framework of Quality](#) for demand, wages and, as appropriate, credential sequencing.

To be considered for addition to Florida's Master Credentials List, submitters must provide, at a minimum, evidence that the credential meets labor market demand as identified by the Labor Market Statistics Center within the Florida Department of Commerce or the Labor Market Estimating Conference or meets local demand as identified in the criteria adopted by the Credentials Review Committee. Evidence considered by the Credentials Review Committee includes employer information on present credential use or emerging opportunities.

Secondary and postsecondary industry certifications and licenses seeking eligibility for [Career and Professional Education \(CAPE\) Act](#) funding must submit a Master Credentials List application. The submission must meet both CAPE eligibility criteria set forth in [Rule 6A-6.0576, Florida Administrative Code & Florida Administrative Register](#) and standards defined in the Framework of Quality.

The credentials described below were received through the [Master Credentials List Application](#) online. A review team consisting of staff from CareerSource Florida, the Florida Department of Education, Division of Career and Adult Education, and the Florida Department of Commerce reviewed all credentials. The review team and Credentials Review Committee noted the following deficiencies in the credentials below:

Credential: Power Line Worker Level I

Submitter: Christina Foreman, Valencia College

Credential Provider: National Center for Construction Education and Research

Local area (if applicable): CareerSource Central Florida

Reason for denial: Based on the information provided and additional research conducted by the evaluators, the standard occupation code linked to the credential did not meet the demand criteria

described in the Framework of Quality.

The submitter is encouraged to submit an application under local demand prior to the deadline for consideration in advance of the next Credentials Review Committee meeting. Information about the Framework of Quality, Master Credentials List and answers to frequently asked questions can be obtained [online](#).

The process for appealing this decision is outlined in Section H of the [Credentials Review Committee Charter](#).

Thank you again for your participation in this process.

Sincerely,

Warren Davis
Policy Analyst
CareerSource Florida

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