

Florida Credentials Review Committee Meeting

May 18, 2023



Chair's Welcome and Remarks



Katie Crofoot

Director, REACH Office
Executive Office of the Governor

New Member Introduction

Lindsay Volpe

Deputy Secretary of Workforce Services
Florida Department of Economic Opportunity



Chair's Welcome and Remarks



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Director, REACH Office
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For Public Comment:

- Please email Madison Frazee at mfrazee@careersourceflorida.com.
- Put your name and request into the meeting chat and wait to be recognized.
- If joining by phone, announce yourself at the appropriate time and wait to be recognized.

Consent Item

For Consideration:

- Approval of Feb. 9, 2023, Meeting Minutes, to include any modifications or changes noted by the board.

2023-2024 Master Credentials List Additions



Dan McGrew

Senior Vice President
Business and Workforce Strategies

Action Item

For Consideration:

- Approve the addition of 55 credentials to the 2023-2024 Master Credentials List and send these recommendations to the CareerSource Florida Board of Directors for delivery to the State Board of Education.
- Approve the additional designation of seven credentials for CAPE Post-Secondary Funding as recommended by the Florida Department of Education.
- Approve technical revisions to the list by the Department of the Education, as needed, without adding or removing any credentials not explicitly described in this Action Item.

Legislative Update



Warren Davis

Policy Analyst

Business and Workforce Strategies

Legislative Updates

- SB 240 passed the Florida Legislature and was signed into law by Gov. Ron DeSantis on May 15, 2023.
- How this bill impacts the Credentials Review Committee:
 - The REACH Office Director shall serve as chair of the Credentials Review Committee.
 - The Credentials Review Committee shall include industry certifications for agricultural occupations.
 - Additional labor market information now able to be utilized.
 - Notices must be sent to those who submit credentials that do not meet the Framework of Quality.
 - Credentials must remain on the list for one year after identification for removal.
 - Returned-value funding formula deleted.

Legislative Updates


- **Next steps:**
 - Changes go into effect on July 1, 2023.
 - CareerSource Florida staff will update the Credentials Review Committee Charter and bring to the next committee meeting for review and approval.

Credential and Occupation Sequencing Research



Matthew Walsh
Research Manager
Lightcast

About Lightcast

- EMSI and Burning Glass Technologies merged in 2021 and the company rebranded as Lightcast.
 - We produce the most comprehensive, up-to-date picture of the labor market.
 - We use labor market data to inform and connect people, education, and employers.
 - We leveraged proprietary job posting and professional profile datasets for this project.
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Project Process



- **Primary goal:** Determine which sequences of credentials put graduates on career paths to high-wage jobs.
- **Secondary goal:** Expand and validate credential-occupation linkages.



Credential Inventory

- **Industry Certifications List**
Promoted credentials identified for review by CareerSource Florida
- **Non-Degree Programs of Study List**
Non-degree awards available at postsecondary institutions
- **License List**
Promoted licenses identified for review by CareerSource Florida

Initial Query: First, we looked for an exact match on the certification name. (Sometimes the certification is already in our certification taxonomy, and other times it is not)

Expanded Query: If the exact certification name is not requested, then we did a job text search for relevant keywords or we used our skill taxonomy to search for relevant skills.

Query for the job title targeted by the license.



Manually “fill in the gaps” of SOC linkages

- Many certifications, licenses, and non-degree credentials already had SOC linkages that were made through manual review by CareerSource Florida and a third-party research group, but there were some missing linkages.
- The manual process involved searching within job titles and professional profiles for each credential or related skills, job titles, or keywords. These searches would then become the basis of an “algorithmic” approach which was used later to validate the matches.
- The results of this work was shared at the last board meeting.

Key results:

- Linkages generated for 410+ credentials and 130+ licenses.
- Most credentials had only ONE best-fit match, which follows the precedent set by the internal CareerSource Florida review of credentials.



Understanding the “value” of a credential

Human Capital Value

The human capital value of a credential encapsulates the knowledge, skills, and abilities gained over the course of earning the credential. The human capital value of a credential is typically validated by a test, capstone project, hours of experience requirement, or another mechanism which ensures that the expected knowledge, skills, and abilities were indeed learned over the course of credential attainment.

Signaling Value

The signaling value of a credential represents how well the credential serves as an expression for those knowledge, skills, and abilities in a labor market where job seekers and employers do not have perfect information about each other. In cases where employers are not able to test for certain knowledge, skills, or abilities, they might rely on a credential to positively signal that the credential holder has them. The signaling value is what **we can test by querying our databases** of job postings and professional profiles.



Setting thresholds for demand and wages

We set low thresholds for labor market signal at the credential and credential-occupation levels.

- **At the credential level**
Across all professional profiles with the current locations in Florida (a total of 9.92 million) and all job postings listed in Florida between 2017-2021 (a total of 10 million), the credential must be referenced in at least 25 professional profiles or 25 job postings.
- **For credential-occupation linkages**
First, the occupation or occupations that most frequently referenced the credential on job postings and professional profiles were matched, as well as any occupation where more than 1% of job postings or professional profiles for the occupation overall referenced the credential, as well as occupations that account for more than 25% of demand for the credential.
- **For wages**
There are three wage thresholds used, following guidance from the Florida Credentials Review Committee. The starting wage threshold is low.

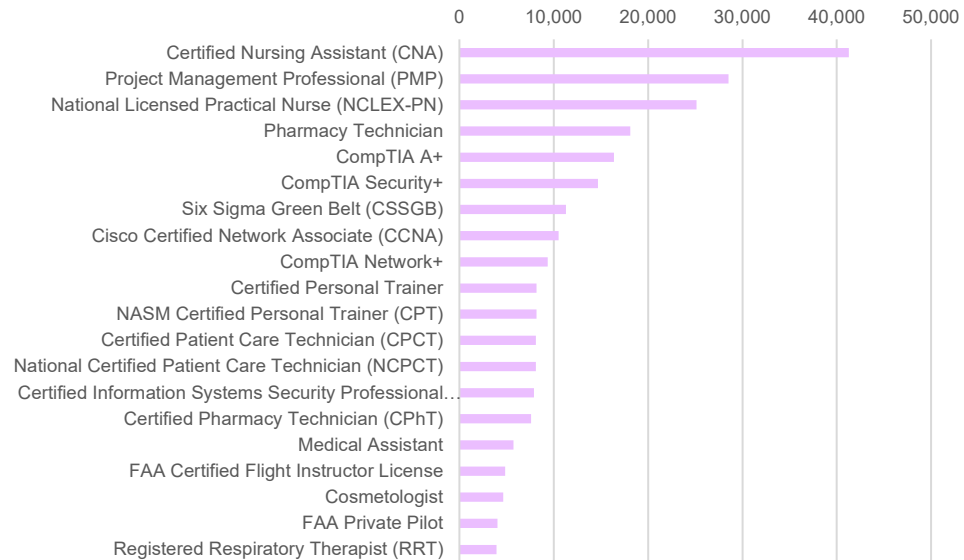
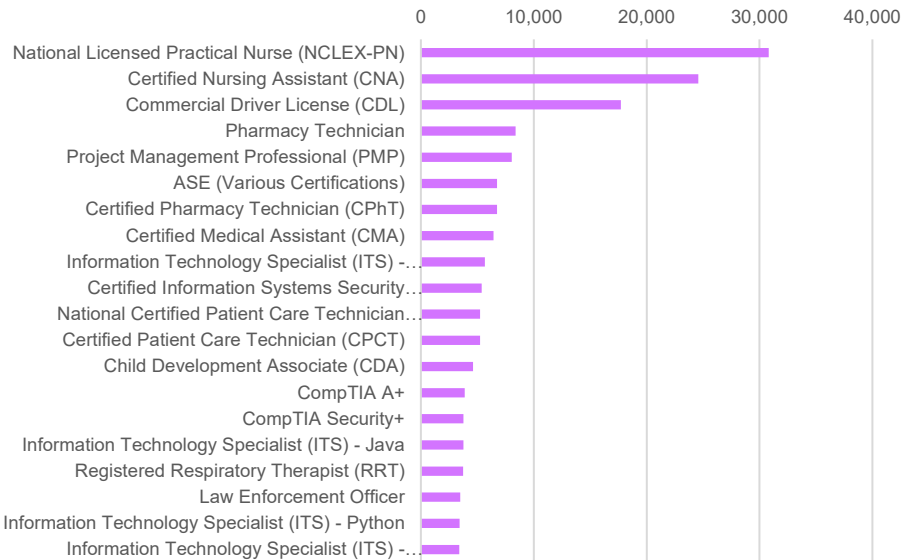


Top industry certifications by supply and demand

447 industry certifications have signaling value (at least 25 postings or profiles).

Average Annual Postings

Professional Profiles



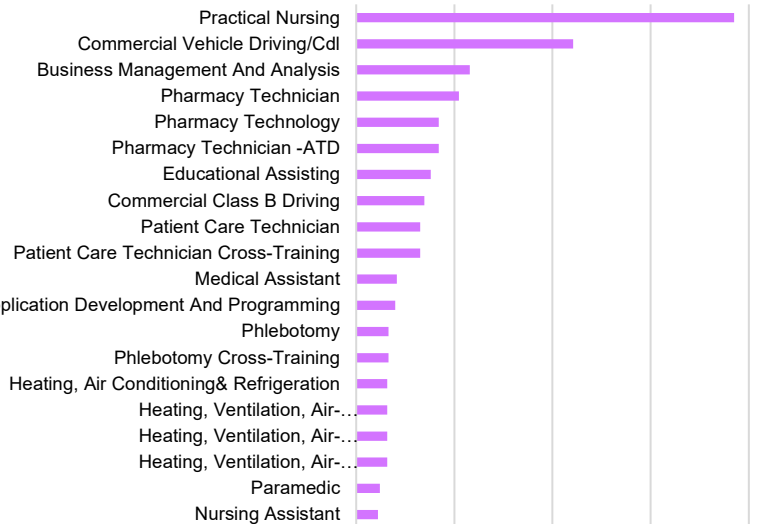


Top non-degree programs by supply and demand

321 non-degree programs have signaling value (at least 25 postings or profiles).

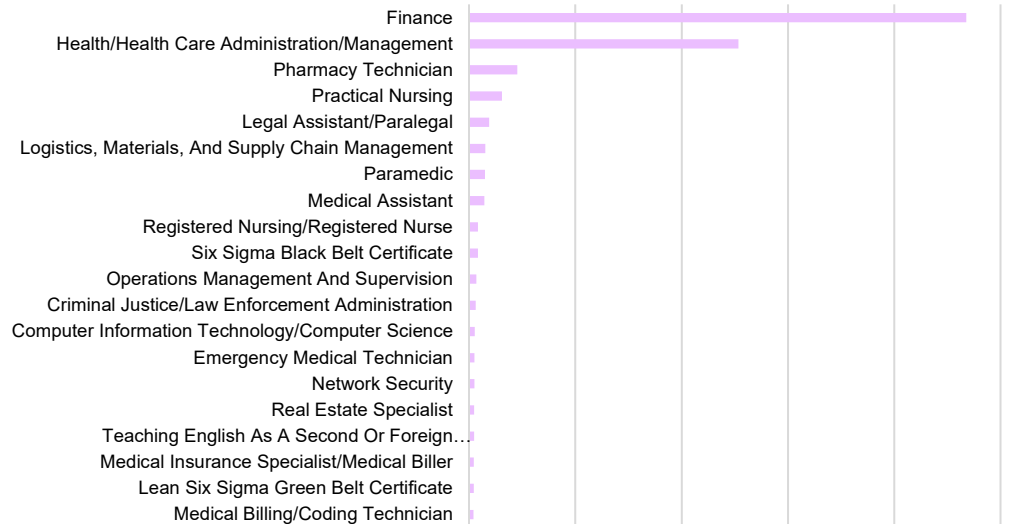
Average Annual Postings

0 40000 80000 120000 160000



Professional Profiles

0 40000 80000 120000 160000 200000



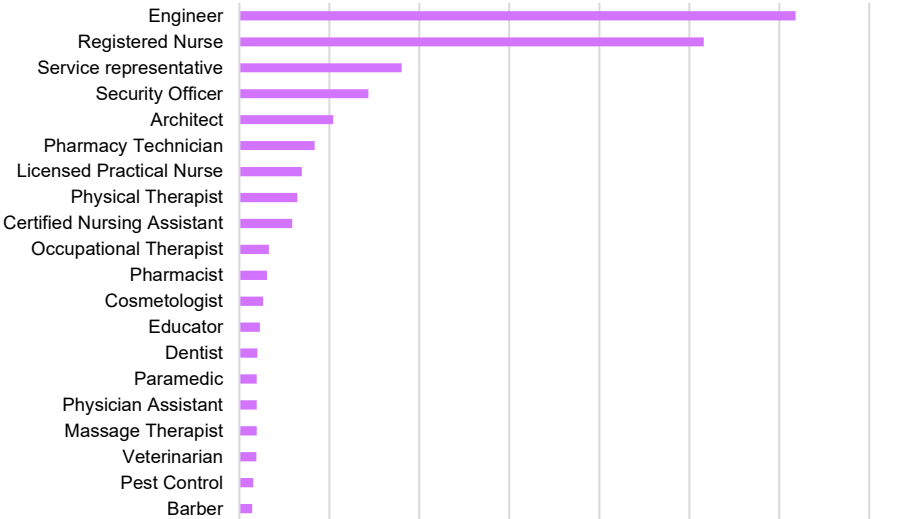


Top licenses by supply and demand

86 licenses have signaling value (at least 25 postings or profiles).

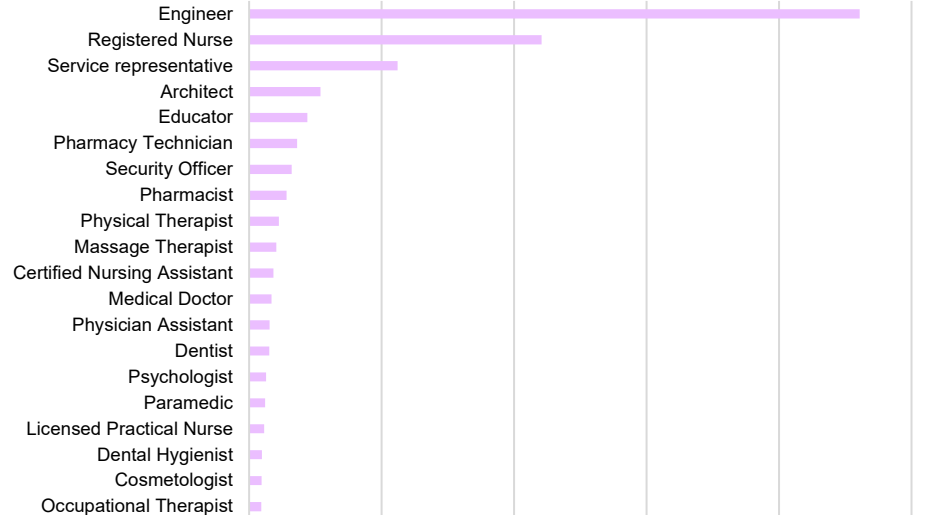
Average Annual Postings

0 50000 100000 150000 200000 250000 300000 350000



Professional Profiles

0 50000 100000 150000 200000 250000





Employer demand vs jobseeking behavior

Labor market signaling for credentials is driven by **employer demand** rather than by **individual job seekers**.





Credentials with signal value

- Credentials in **IT, business, healthcare** have the greatest signaling value in the labor market.
- **Industry certifications** generally lead other types of credentials in alignment.
- Demand signal and supply signal are positively correlated, but labor market signal is greater among **employers** than among job seekers.



Setting thresholds for labor market signal

We set **low thresholds** for labor market signal at the credential and credential-occupation levels.

- **At the credential level**

Across all professional profiles with the current locations in Florida (a total of 9.92 million) and all job postings listed in Florida between 2017-2021 (a total of 10 million), the credential must be referenced in at least 25 professional profiles or 25 job postings.

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- **For wages**

There are three wage thresholds used, following guidance from the Florida Credentials Review Committee. The starting wage threshold is low.



Linkages improve when credentials have signal value

Manual linkages are more likely to align with **algorithmically-generated linkages** (i.e., those generated by labor market signal tests) **when the credential itself has signal value** rather than the signal coming from related skills and keywords.

For credentials that meet signaling thresholds

Credential Source	Validated Linkages	Linkages without Signal Validation
Credential List	69%	31%
License List	72%	28%
Non-Degree List	16%	84%

For credentials that do not meet signaling thresholds

Credential Source	Validated Linkages	Linkages without Signal Validation
Credential List	39%	61%
License List	4%	96%
Non-Degree List	11%	89%



Setting thresholds for labor market signal

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- **At the credential level**
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- **For wages**
There are three wage thresholds used, following guidance from the Florida Credentials Review Committee. The starting wage threshold is low, and the high-level wage is ~\$15 to ~\$30.



Set wage thresholds for job quality analyses

Current wage thresholds set by the Credentials Review Committee

	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
All Occupations	\$20,530	\$50,020	\$59,380
No formal educational credential	\$19,160	\$28,040	\$31,470
High school diploma or equivalent	\$22,200	\$42,430	\$50,240
Some college, no degree	\$21,770	\$40,290	\$48,230
Postsecondary nondegree award	\$23,930	\$42,240	\$50,620
Associate's degree	\$25,650	\$53,480	\$67,370
Bachelor's degree	\$34,890	\$80,570	\$96,750
Master's degree	\$34,490	\$78,040	\$99,590
Doctoral or professional degree	\$45,510	\$134,520	\$170,700



Compare advertised wages to wage thresholds

Advertised wages on postings (requesting less than a BA and no more than two years of experience) for the occupations linked to credentials are **typically greater than the representative starting wage**, but only greater than the average annual wage for a slim majority of credentials and **only greater than the high-level wage for 16% of credentials**.

Number of linked occupations and the percent of those occupations that beat wage thresholds

	Total Linked Occupations	Beat Representative Starting Wage	Beat Average Annual Wage	Beat High-Level Wage
Less than high school diploma	277	100%	68%	52%
High school diploma or equivalent	2188	100%	51%	9%
Some college, no degree	926	100%	60%	26%
Associate's degree	393	100%	21%	8%
Overall	3784	100%	52%	16%



Weight wage comparisons by job demand

To create a credential-level metric of advertised wages versus wage thresholds, we calculate weighted averages using job postings. This is a view on the opportunity that programs will have to beat the established wage thresholds.

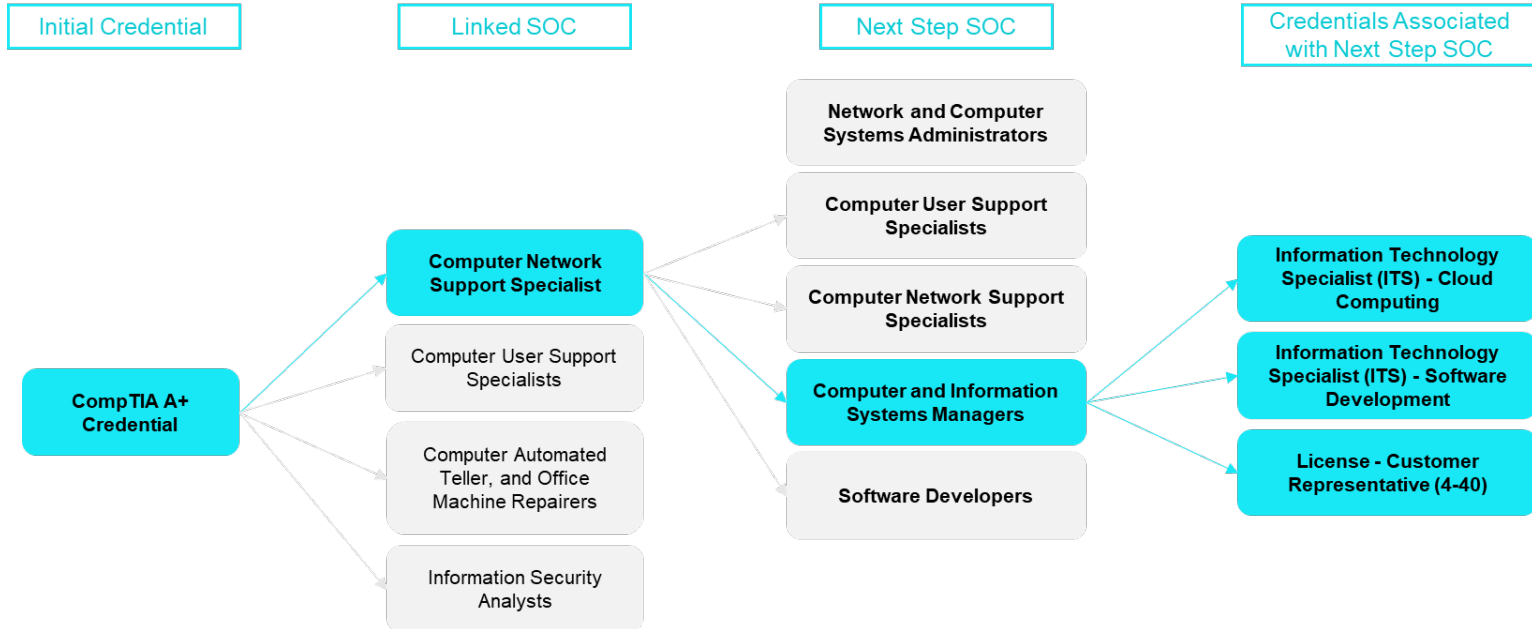
Number of credentials and the percent of credentials that beat wage thresholds (weighted by demand)

	Total Number of Credentials	Beat Representative Starting Wage	Beat Average Annual Wage	Beat High-Level Wage
Credentials with wage data	1,457	1,445	438	111
Percent of credentials with wage data	-	99%	30%	8%



Sequences use credentials for occ-occ mobility

Example: CompTIA A+





Most sequences do not change wage levels

Averaged out across the most common realized transitions between occupations, only a small percentage climb over the average annual wage if they were not over it already. This highlights the importance of being picky about sequences and pathways, rather than hoping graduates will naturally transition to a job that meets wage thresholds just because they earned a first credential. Follow-on credentials should focus on the specific pathways that lead to occupations that beat wage thresholds.

Additional percent of credentials that beat wage thresholds in next-step occupations

	Beat Representative Starting Wage	Beat Average Annual Wage	Beat High-Level Wage
Percent of credentials with wage data that beat wage thresholds with initial linkages	99%	30%	8%
Additional percent of credentials that beat wage thresholds with next-step linkages	0%	1%	0%



Occupational sequences that work

The sequence to follow is: Credential → Occupation → Occupation → Credential

Credential Name	Linked SOC Name	Avg Salary	Next Step SOC Name	Salary Boost
Diving Medical Technician	Occupational Therapy Aides	\$29,530	Physical Therapist Assistants	\$23,950
Nursing Cross-Training				
Certified Occupational Therapy Assistant				
Practical Nursing				
Certified Nursing Assistant (CNA)				
National Licensed Practical Nurse (NCLEX-PN)				
Nursing Cross-Training	Home Health and Personal Care Aides	\$25,338	First-Line Supervisors of Office and Administrative Support Workers	\$17,092
Dietetic Management And Supervision				
Home Health Aide (Postsecondary)				
Anesthesiologist Assistant				
Home Health Aide				
Certified Nursing Assistant (CNA)				



Industry clusters

Cluster	Number of Sequences
Computer and Tech	512
Sales	355
Office and Administrative Support	263
Installation, Maintenance, and Repair	261
Production	203
Construction and Extraction	77
Healthcare Practitioners and Technical Occupations	69
Transportation and Material Moving	37
Protective Service	36
Architecture and Engineering	35
Food Preparation and Serving	10
Healthcare Support	9
Business and Financial	7
Personal Care and Service	6
Legal	5
Arts, Design, Entertainment, Sports, and Media	5
Life, Physical, and Social Science	4
Farming, Fishing, and Forestry	4


- Computer and Tech sequences are versatile and cover a range of disciplines (help desk support, design, software development, and more).
- Sales sequences focus largely on automotive sales, parts sales, and machinery sales.
- Office and Admin Support has a range of customer service and business support sequences.
- Many sequences in Production and Construction and Extraction overlap.



How to use this information?

- Fold labor market signals (i.e., use by employers in job postings, advertisement of the credential by job seekers on resumes, and estimated/advertised wages) into the validation of credentials.
- Prioritize credentials with low signal value for a review of the human capital value (i.e., confirm that there is genuine skill acquisition and that those skills are valuable in the labor market).
- Engage employers to utilize credentials that have low signal but strong wages.
- Determine which is the “first best” credential in arenas where there are multiple competing credentials (i.e., cybersecurity, welding, etc.).
- Shore up credential availability in industries without many sequences that lead to above-average wage occupations.
- Use wage data to determine which credentials to prioritize → those that lead to employment in high-paying occupations.
- Use demand data to determine which credentials to prioritize → those that lead to employment in occupations with the highest or most acute demand.

Next Steps

- Identify key findings and make recommendations related to Florida's Master Credentials List.
 - Deliver final report with recommendations to Credentials Review Committee.
 - Build the pathway maps.
- 
- A decorative gradient bar at the bottom of the slide, transitioning from orange on the left to purple in the center and red on the right.

Thank You

Matt Walsh

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Employer Focus Groups Recap



Dehryl McCall

Senior Director
Business and Workforce Strategies



Sheridan Meek

Research Economist
Florida Chamber Foundation

Workforce Needs Study 2.0 Focus Groups: Research on the Road

- **Research objectives:**
 - Verify current/emerging skills needs
 - Master Credentials List
 - Catalogue industry-education partnership best practices
 - Assess training resource utilization
- **Eight regions**
- **Four occupational groups**
 - Manufacturing/Construction/Skilled Trades
 - Information Technology
 - Healthcare
 - Finance/Professional Services
- **70 employers engaged to date**



Workforce Needs Study 2.0 Focus Groups: What We Learned

Verify current/emerging skills needs

- Little pre-existing knowledge of Master Credentials List
- No strong sentiment to remove any credentials
- Sporadic sentiment to add credentials

Catalogue industry-education partnership best practices

- Limited examples of partnerships
- Smaller employers indicated preference for collaborative approach
- Strong sentiment re: employability skills and career exploration (Especially Manufacturing, Construction, Skilled Trades)

Assess training resource utilization

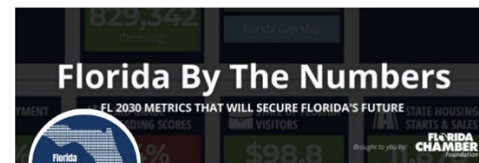
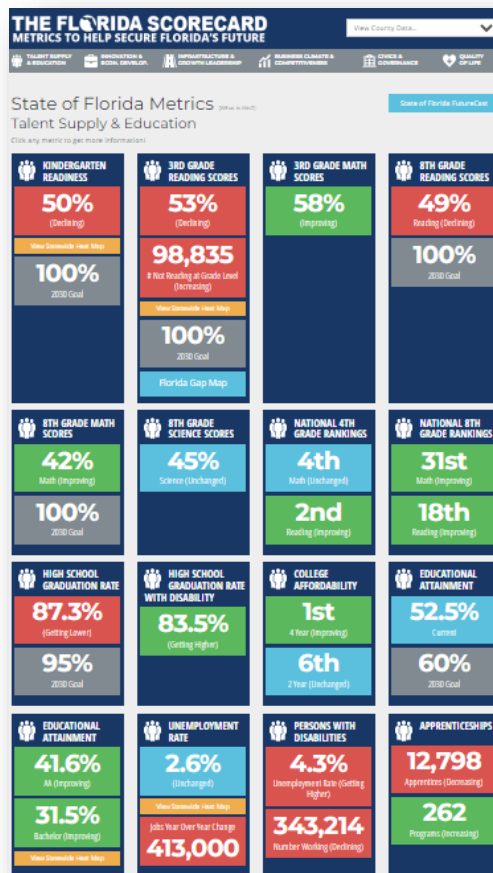
- Little utilization among focus group employers
- Those who had benefitted from a “Navigator”



Questions?

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TheFloridaScorecard.org
TheFloridaGapMap.com
[@FloridaBTN](https://www.instagram.com/FloridaBTN)



Florida By The Numbers
[@FloridaBTN](https://www.instagram.com/FloridaBTN)

Your dose of analysis on the metrics that matter to the future of Florida.



Open Discussion and Public Comment

Upcoming Meetings

- August/September 2023
- November/December 2023