Join at menti.com use code 6898 7838



Presented by:

Ivy Coburn, Division Director—Education and Workforce

June 11, 2023

In-Demand Job Projections (Mentimeter)

What are the priority in-demand job sectors for your state?

A job sector is an economic term used to classify a broad group of occupations and industries that are related by what they do.





Successful Practices (Mentimeter)

Name a strategy, program or initiative that is successfully building the talent needed to supply workers for in-demand job sectors in your state.



SREB

The Future of Work

What will the future of work look like in 2030?

Highlights according to ChatGPT:

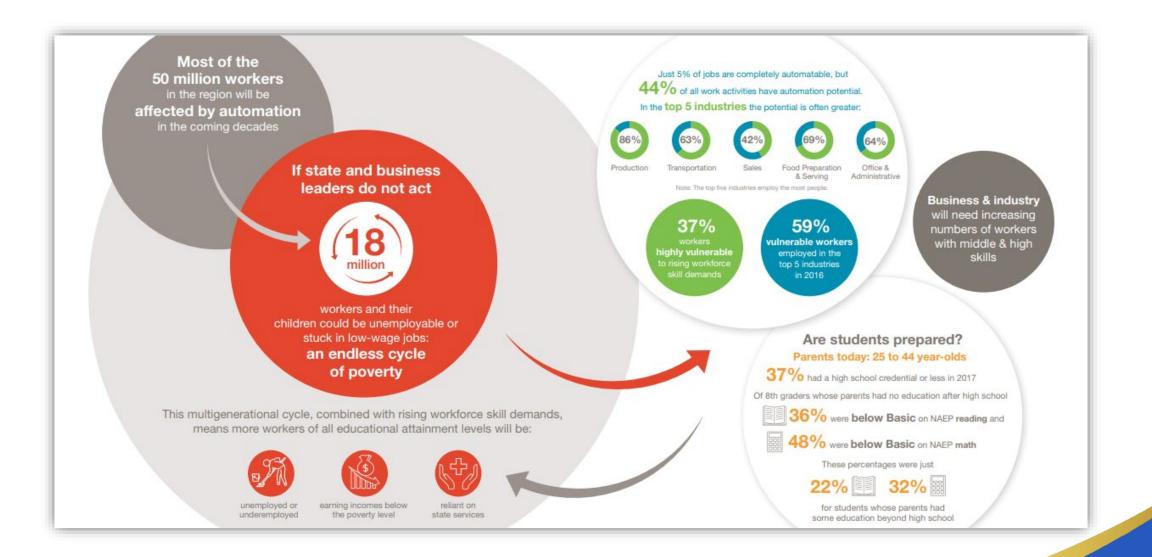
- 1. Automation and Artificial Intelligence (AI)
- 2. Remote Work and Flexible Arrangements
- 3. Lifelong Learning and Upskilling
- 4. Collaborative Work Environments
- 5. Focus on Well-being and Work-Life Integration
- 6. Augmentation of Human Abilities

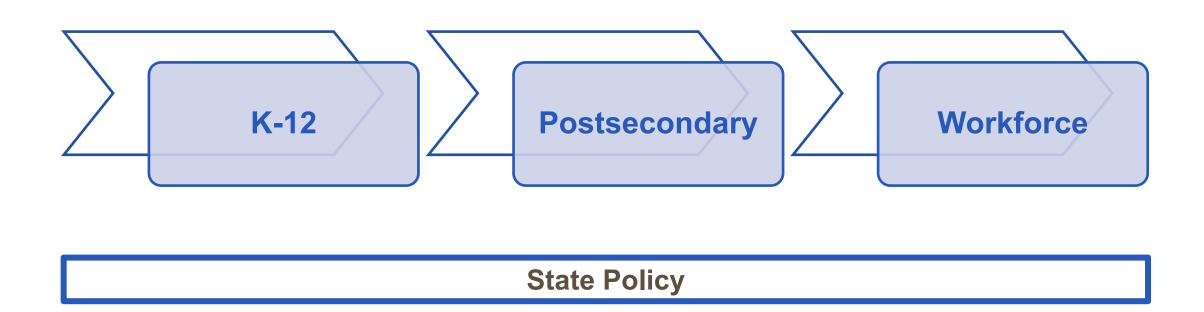


Top 10 Jobs in 2030

- 1. Data Scientist/Analyst
- 2. Artificial Intelligence/Machine Learning Engineer
- 3. Cybersecurity Expert
- 4. Robotics Engineer
- 5. Sustainability Specialist
- 6. Healthcare Professional (especially in specialized fields)
- 7. Renewable Energy Engineer
- 8. Virtual Reality/Augmented Reality Developer
- 9. UX/UI Designer
- 10. Mental Health Professional









Birth-Elementary Middle Grades High School Postsecondary Workforce



Birth-Elementary

Middle Grades

High School

Postsecondary

- Early Exposure and Career Awareness
- Foundational Core
 Academic and
 Employability Skills

Birth-Elementary

Middle Grades

High School

Postsecondary

- Career Exploration
- Career Focused Activities and Projects
- Pop-Up Events and Camps



Birth-Elementary

Middle Grades

High School

Postsecondary

- Career Pathways
 - High-Quality
 Curriculum
 - Labor MarketAlignment
- Dual Enrollment
- Work-Based Learning



Birth-Elementary

Middle Grades

High School

Postsecondary

- "Stacking" Options to Support Credential/Degree Attainment
 - Certificate Programs
 - Associate Degrees
 - Bachelor Degree
 - Advanced Degrees



Birth-Elementary

Middle Grades

High School

Postsecondary

- Upskilling
- Strategic Planning to Support In-Demand Occupations



Two Critical Concepts



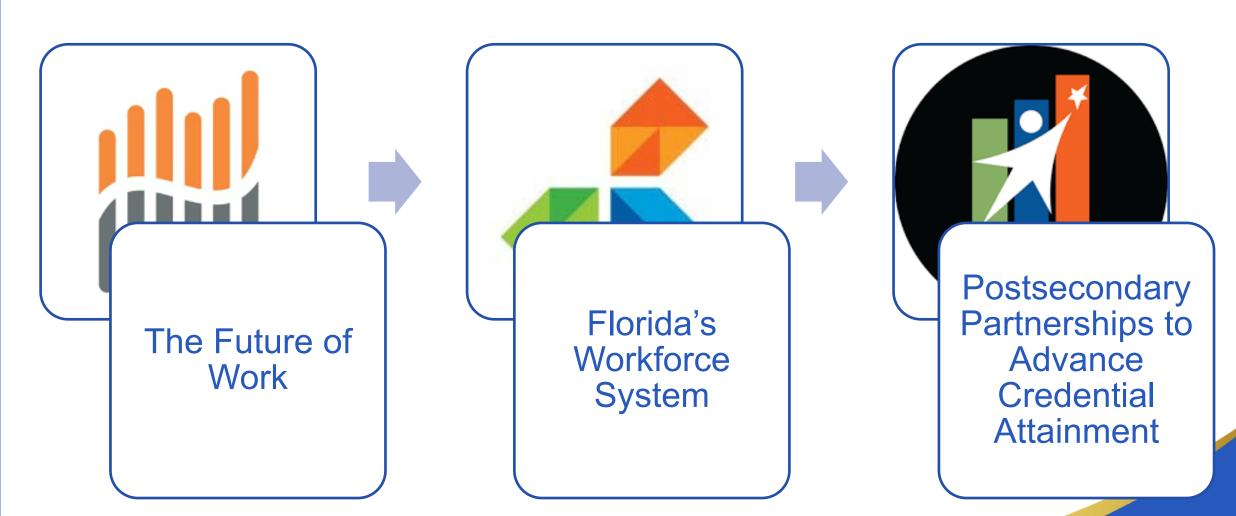


SREB

Sharing the Workforce Viewpoint

Panel Presentations

Expanding Our View of Workforce





The Future of Work

Christine (Chris) Chmura, Ph.D.

CEO and Chief Economist

Chmura Economics & Analytics





HIII CHMURA



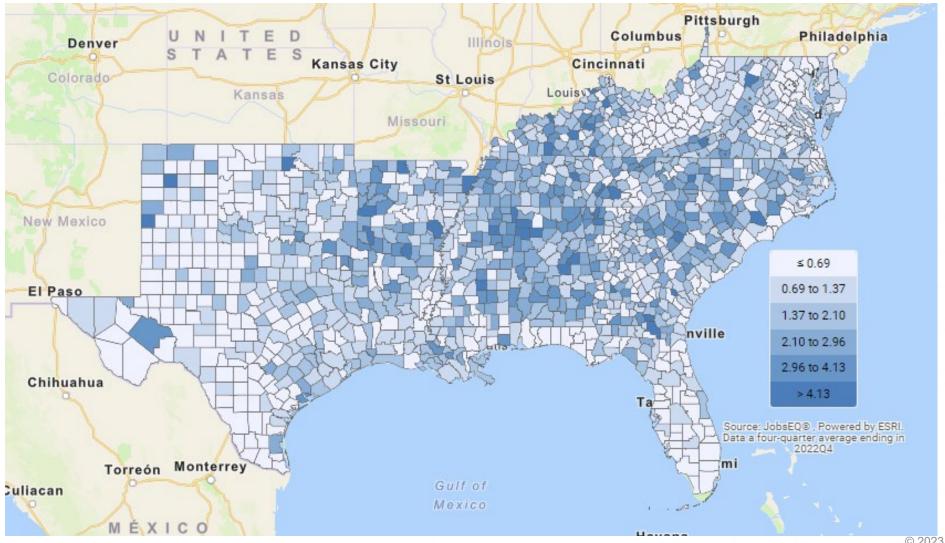
How to Think About The Future of Work

- Terminology
- Future needs vary by state and region in state
- Drivers that shape jobs of the future
- Focus on skills not occupations

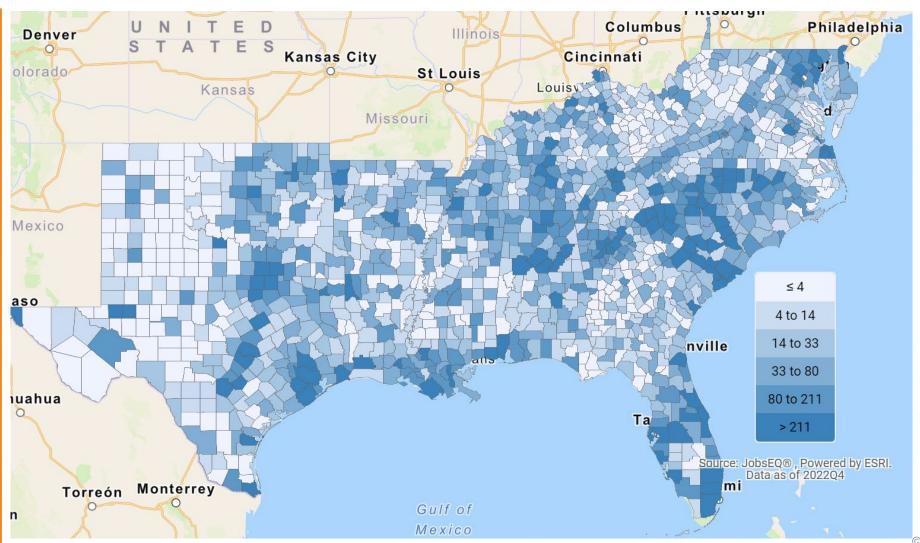
Key Definitions

- Industry sector details linked to
- Occupation (job) details linked to
- Skills needed
 - Curriculum
 - Attributes, knowledge, skills

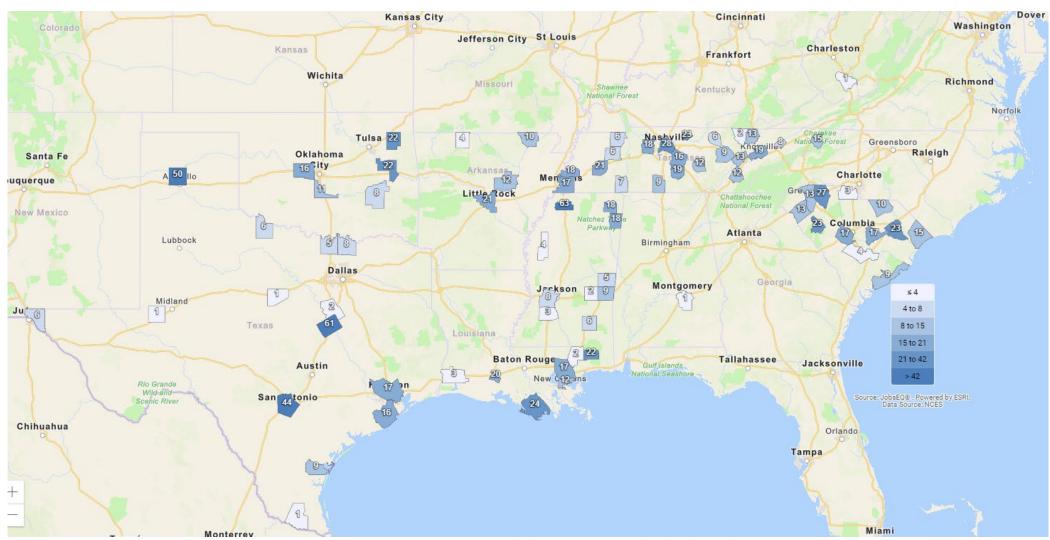
Manufacturing Industry Concentration (LQ) By County



Machinist Occupation Supports Manufacturing and Other Industries



Curriculum Needed to Provide Skills: Machine Tool Technology/Machinist Awards in 2021

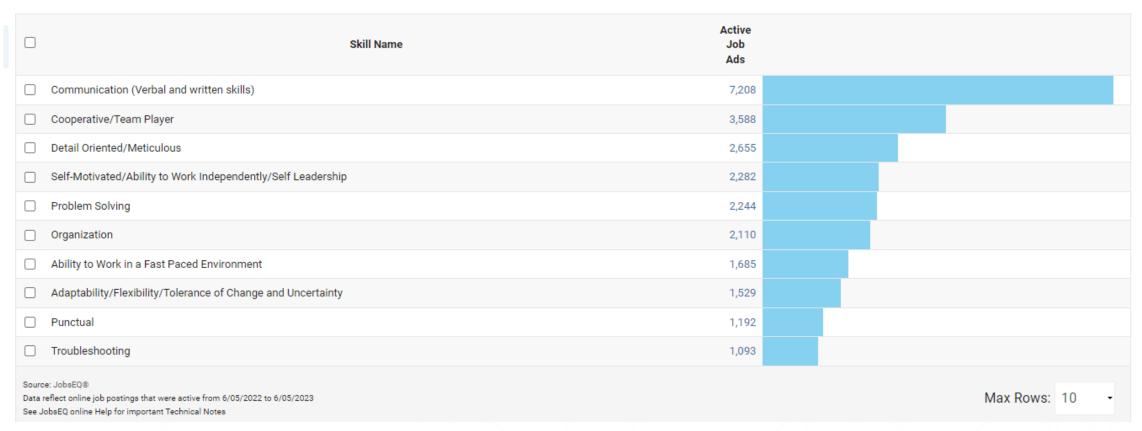


Curriculum Needed to Provide Skills: Machine Shop Technology/Assistant Awards in 2021



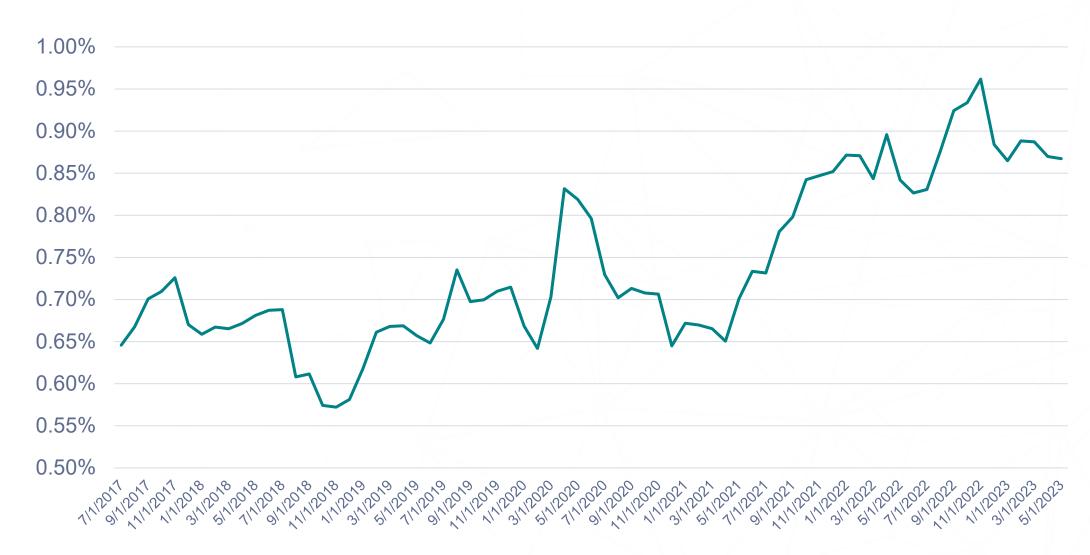
Top 10 Soft Skills Needed By Machinists in SREB States

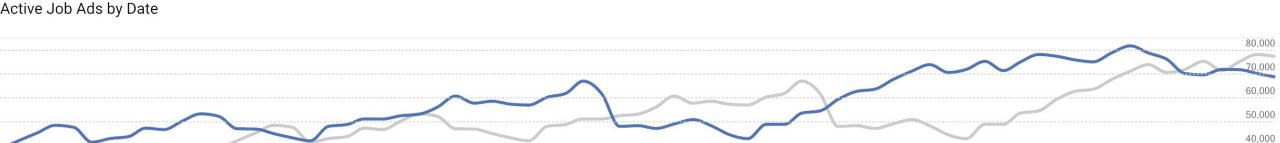
Soft Skills





Ads Requiring Cyber Relative to All Ads in U.S. Have Grown





Oct 2020 Jan 2021 Apr 2021 Jul 2021

Jul 1, 2017 to May 31, 2023 Jul 1, 2016 to May 31, 2022

Jul 2018 Oct 2018 Jan 2019 Apr 2019 Jul 2019 Oct 2019 Jan 2020

Source: JobsEQ®, See JobsEQ online Help for important Technical Notes

Cyber Job Ads in the United States

38,368 Jun 2017

68,603 May 2023

Peak: 81,653 Sept 2022

			Total - All Programs (00.0000)	Cybersecurity Defense Strategy/Policy (43.0404)	Cyber/Computer Forensics and Counterterrorism (43.0403)	Cyber/Electronic Operations and Warfare (29.0207)
Regions and Schools	Award Level	Year	Awards	Awards	Awards	Awards
SREB States - All Schools	All Award Levels	2010	1,503,858	n/a	24	n/a
		2011	1,623,956	n/a	34	n/a
		2012	1,662,606	n/a	82	n/a
		2013	1,661,394	n/a	96	n/a
		2014	1,692,787	n/a	135	n/a
		2015	1,724,254	n/a	176	n/a
		2016	1,753,919	n/a	270	54
		2017	1,778,913	n/a	342	116
		2018	1,800,244	n/a	434	124
		2019	1,836,646	n/a	472	150
		2020	1,845,423	50	579	163
		2021	1,906,741	117	717	229

Note: Awards data for occupations represent awards related to the occupation. Since an award is often related to multiple occupations, awards by occupation data should not be expected to sum.

Note: Awards and enrollment are for the academic year listed. The academic year ends in the spring semester of the displayed year.

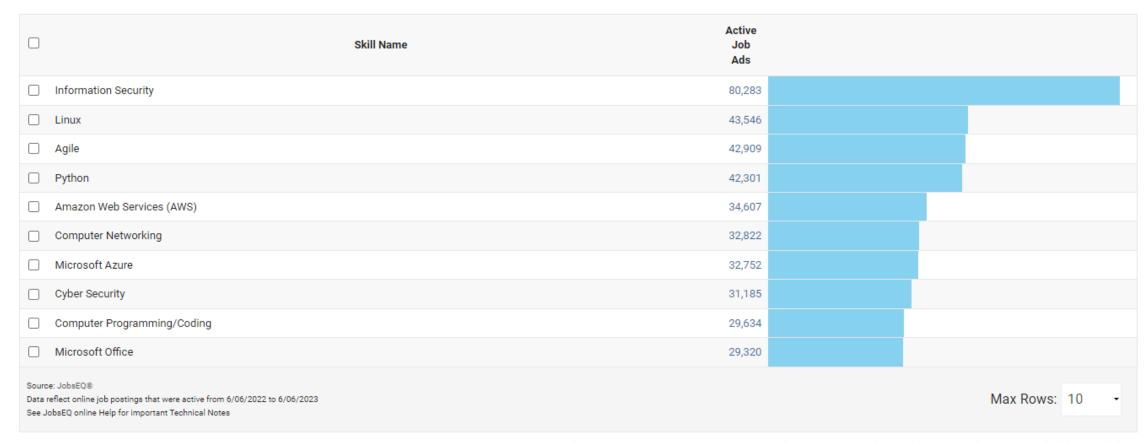
			Total - All Programs (00.0000)	Cybersecurity Defense Strategy/Policy (43.0404)	Cyber/Computer Forensics and Counterterrorism (43.0403)	Cyber/Electronic Operations and Warfare (29.0207)
Regions and Schools	Award Level	Year	Awards	Awards	Awards	Awards
USA (0) - All Schools	All Award Levels	2010	4,461,303	n/a	37	38
		2011	4,771,610	n/a	73	66
		2012	4,909,272	n/a	119	96
		2013	4,916,440	n/a	233	17
		2014	4,954,196	n/a	483	8
		2015	4,991,769	n/a	583	110
		2016	5,023,135	n/a	709	241
		2017	5,080,555	n/a	1,001	410
		2018	5,174,107	n/a	1,238	560
		2019	5,267,037	n/a	1,343	74
		2020	5,263,562	124	1,430	82
		2021	5,369,496	191	1,569	91

Note: Awards data for occupations represent awards related to the occupation. Since an award is often related to multiple occupations, awards by occupation data should not be expected to sum.

Note: Awards and enrollment are for the academic year listed. The academic year ends in the spring semester of the displayed year.

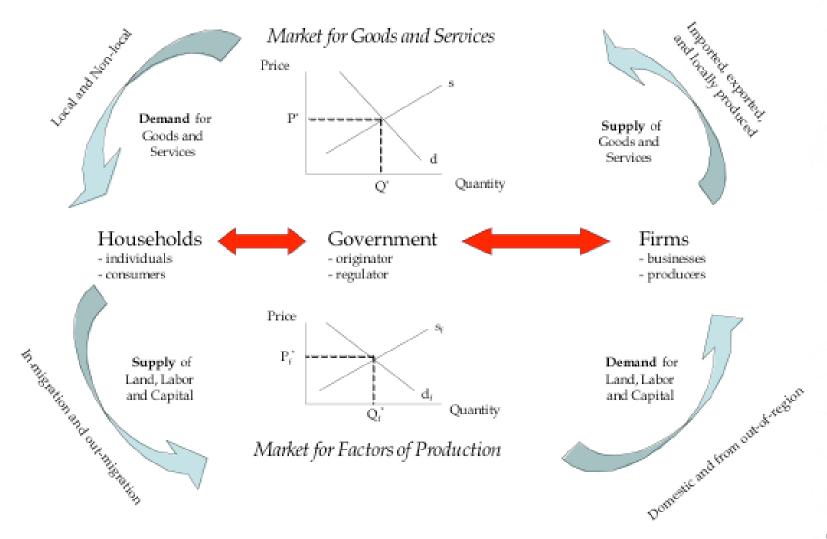
You Don't Need a Cyber Diploma To Perform Cyber Work But You Need Transferable Skills

Hard Skills



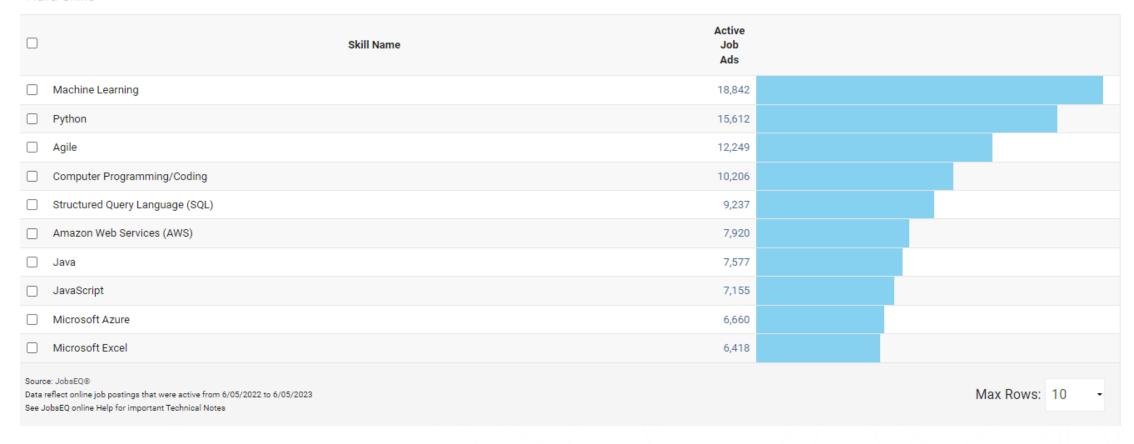


The Big Picture: Always Moving to a New Equilibrium

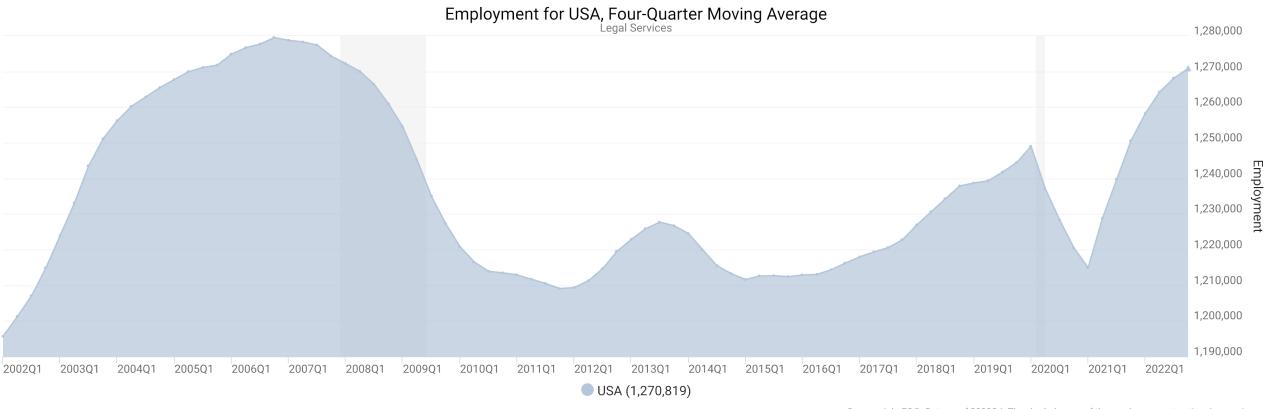


Drivers: TechnologyWhat Skills Do Employers Want For Al Jobs in SREB States?

Hard Skills

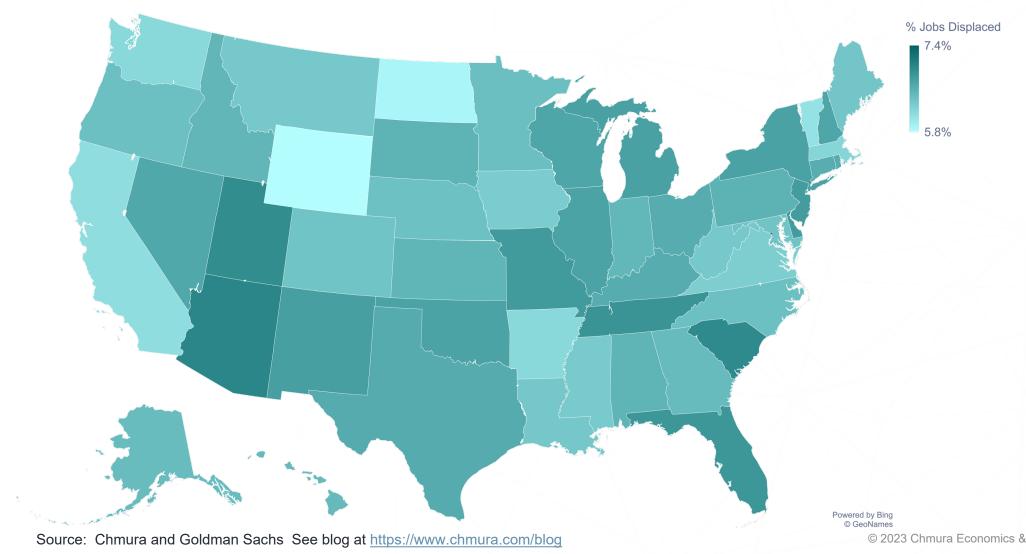


Al Frees Up Time for Higher-Level Work Increased Productivity Can Lead to Job Losses



Source: JobsEQ®. Data as of 2022Q4. The shaded areas of the graph represent national recessions.

Estimated Percentage of Jobs Displaced By Al Over Next 10 Years



Drivers: What Skills Do Employees Need Because of **Changes in Regulations?**

Green Industries in Energy Cluster in SREB States, 2022Q41



		CURRENT			5-YEAR HISTO	DRY		10-YEAR FORE	ECAST			
NAICS	Industry	Empl	Avg Ann Wages	LQ	Empl Change	Trend	Ann %	Total Demand	Exits	Transfers	Empl Growth	Ann % Growth
221113	Nuclear Electric Power Generation	17,897	\$156,073	1.20	-2,573		-2.7%	8,520	5,024	9,088	-5,592	-3.7%
335910	Battery Manufacturing	9,409	\$74,925	0.56	726		1.6%	12,647	4,048	6,758	1,841	1.8%
333611	Turbine and Turbine Generator Set Units Manufacturing	7,572	\$110,442	1.16	-736		-1.8%	6,536	2,652	4,568	-683	-0.9%
221111	Hydroelectric Power Generation	7,169	\$157,931	1.05	159		0.5%	5,397	2,261	4,109	-973	-1.4%
221115	Wind Electric Power Generation	4,205	\$105,937	1.39	1,548		9.6%	6,800	1,692	3,112	1,996	4.0%
221114	Solar Electric Power Generation	3,682	\$119,768	1.12	2,892		36.1%	6,078	1,372	2,851	1,854	4.2%
221118	Other Electric Power Generation	1,617	\$138,685	1.27	1,415		51.6%	1,733	535	999	199	1.2%
221117	Biomass Electric Power Generation	512	\$93,574	0.67	19	$\wedge \wedge$	0.8%	467	172	317	-22	-0.4%
221116	Geothermal Electric Power Generation	44	\$116,723	0.10	9		4.9%	59	17	32	11	2.3%
7908	Green Industries in Energy Cluster	52,107	\$127,247	0.97	3,460		1.4%	48,239	17,774	31,834	-1,369	-0.3%
-	Total - All Industries	59,755,768	\$62,481	1.00	3,734,479		1.3%	77,366,692	29,987,913	41,835,870	5,542,909	0.9%
	F0.0											

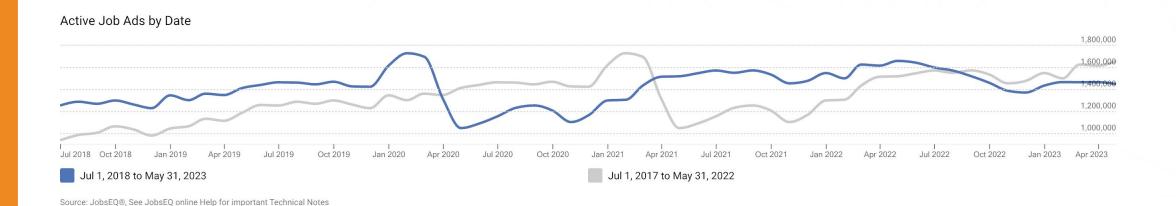
Source: JobsEQ® Data as of 2022Q4

		CURRENT		10-YEAR FORECAST				
soc	Occupation	Empl	Mean Ann Wages ²	Total Demand	Exits	Transfers	Empl Growth	Ann % Growth
15-0000	Computer and Mathematical Occupations	1,970,784	\$100,300	1,885,702	466,758	1,028,115	390,829	1.8%
39-0000	Personal Care and Service Occupations	1,420,557	\$33,600	2,969,036	1,098,418	1,587,263	283,354	1.8%
31-0000	Healthcare Support Occupations	2,248,058	\$32,600	3,809,545	1,507,135	1,888,087	414,323	1.7%
35-0000	Food Preparation and Serving Related Occupations	4,946,841	\$29,300	10,692,228	4,505,089	5,329,291	857,848	1.6%
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	900,089	\$60,900	1,126,825	405,051	590,460	131,314	1.4%
21-0000	Community and Social Service Occupations	947,332	\$53,500	1,102,847	400,145	573,452	129,250	1.3%
23-0000	Legal Occupations	486,503	\$109,100	422,810	161,926	192,110	68,774	1.3%
11-0000	Management Occupations	4,027,014	\$114,200	4,074,039	1,237,498	2,345,658	490,883	1.2%
13-0000	Business and Financial Operations Occupations	3,732,317	\$82,400	3,913,564	1,179,851	2,282,899	450,813	1.1%
29-0000	Healthcare Practitioners and Technical Occupations	3,458,241	\$91,100	2,524,792	1,094,124	1,046,562	384,106	1.1%
53-0000	Transportation and Material Moving Occupations	5,424,181	\$43,000	8,309,107	2,957,804	4,787,127	564,176	1.0%
25-0000	Educational Instruction and Library Occupations	3,076,654	\$58,000	3,190,315	1,445,136	1,450,373	294,806	0.9%
37-0000	Building and Grounds Cleaning and Maintenance Occupations	2,039,729	\$33,600	3,032,986	1,304,464	1,543,381	185,140	0.9%
19-0000	Life, Physical, and Social Science Occupations	460,181	\$81,400	488,006	107,036	338,709	42,261	0.9%
47-0000	Construction and Extraction Occupations	2,894,226	\$49,900	3,203,327	1,029,765	1,925,463	248,099	0.8%
49-0000	Installation, Maintenance, and Repair Occupations	2,502,455	\$53,600	2,729,926	948,538	1,561,399	219,988	0.8%
17-0000	Architecture and Engineering Occupations	933,827	\$94,400	797,114	271,580	447,009	78,524	0.8%
33-0000	Protective Service Occupations	1,307,493	\$50,100	1,643,003	714,655	852,072	76,275	0.6%
41-0000	Sales and Related Occupations	5,899,999	\$46,300	8,270,548	3,514,305	4,551,448	204,794	0.3%
45-0000	Farming, Fishing, and Forestry Occupations	245,984	\$34,300	402,754	127,681	267,418	7,655	0.3%
43-0000	Office and Administrative Support Occupations	7,530,530	\$43,600	9,206,657	4,100,766	5,088,334	17,557	0.0%
51-0000	Production Occupations	3,302,765	\$44,300	3,827,596	1,440,043	2,385,415	2,138	0.0%
00-0000	Total - All Occupations	59,755,760	\$56,800	77,622,726	30,017,771	42,062,046	5,542,909	0.9%

Drivers: Ecosystem (Culture, Demographics, COVID, **Business** Cycle)

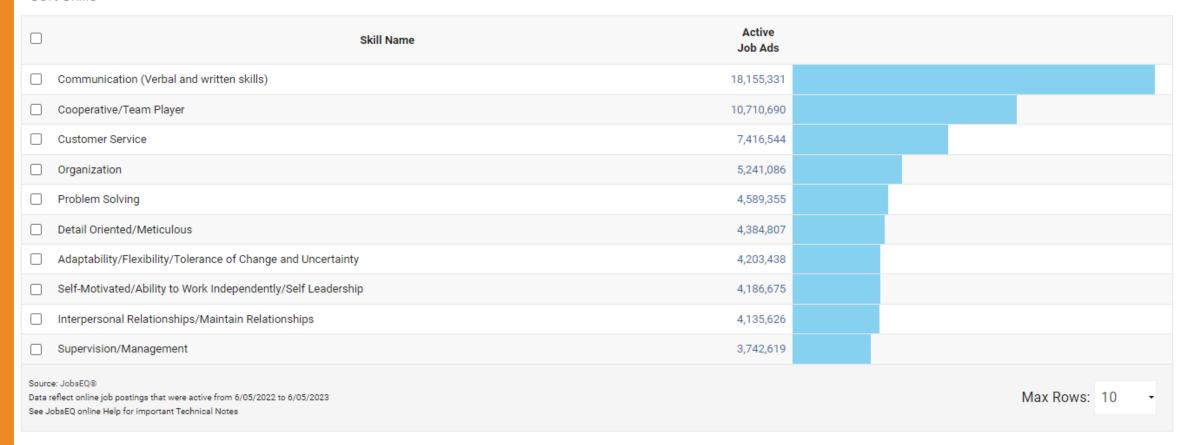
Source: Chmura's JobsEQ

Drivers: Some Skills Persist as Long as We Interact with Humans! Communication is the Top Requirement in All Ads in the United States



Top 10 Soft Skills Required By Employers in Job Ads

Soft Skills

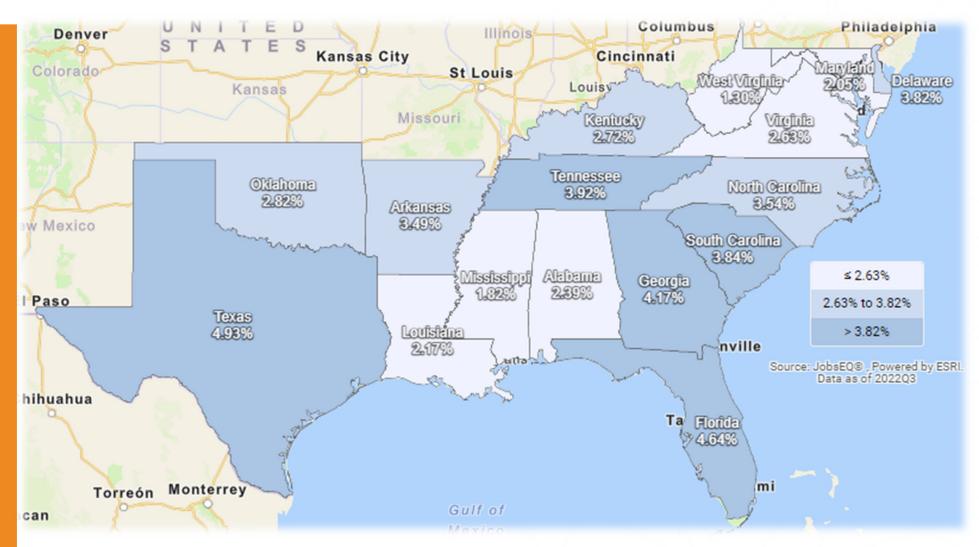


Summary On The Future of Work

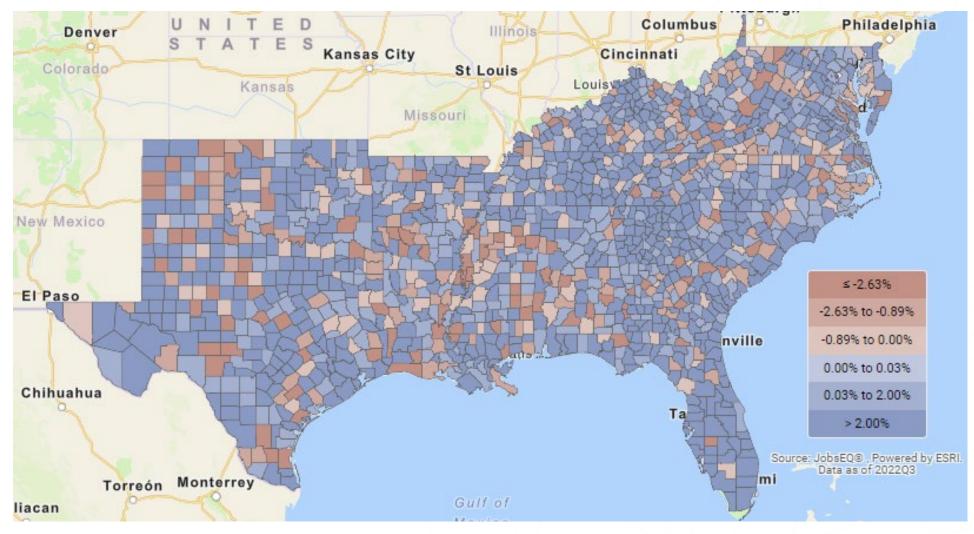
- Future skill needs vary by state and region in state
- Drivers that shape jobs of the future
 - Technology
 - Regulations
 - Ecosystem
 - Culture
 - Demographics
 - COVID
 - Business Cycle
- Focus on skills not occupations



Employment, Percentage Change From Last Year 2022Q3



Employment, Percentage Change From Last Year 2022Q3





U.S. stocks tumbled on Friday and froward 0.3% and building permits—a housing news, the National ending April 18 decreased 2,000 to year basis. The median sales price February.

184,000. Housing starts inched rose 15.0% from March 2021. In more

ended the week lower as investors forward looking metric-were up 0.4% Association of Home Builders October worried the Federal Reserve will cause last month as strong activity in the Housing Market Index, a gauge of the economy to slow too much by volatile multifamily segment offset builder confidence, declined 2 points to raising interest rates faster than declines in single-family activity. On a 77, but still signaled strong confidence previously expected. For the week, the year-over-year basis, starts climbed among builders. The Conference Dow Jones Industrial Average declined 3.9% and building permits were 6.7% Board's Leading Economic Index, a 1.9%, the S&P 500 decreased 2.8%, higher. Sales of existing homes— gauge of the outlook for the U.S. and the NASDAQ fell 3.8%. It was a which are counted when contracts are economy over the next three to six light week for economic reports. Initial closed—decreased 2.7% last month, months, rose 0.3% in March after unemployment claims for the week and were down 4.5% on a year-over- advancing an upwardly revised 0.6% in

ECONOMIC RELEASES

Last Week: Indicator	Number Reported	Consensus Expectation*	Comment
NAHB Housing Market Index (Apr - Mo 10:00)	77	77	Down 2 points from April
Housing Starts (Mar - Tu 8:30)	1,793 TUAR	1,750 TUAR	Single-family starts decreased 1.7%
Building Permits (Mar – Tu 8:30)	1,873 TUAR	1,840 TUAR	Single-family permits declined 4.8%
Existing Home Sales (Mar – We 10:00)	5.77 MUAR	5.80 MUAR	-4.5% from March 2021
initial Unemployment Claims (4/18 - Th 8:30)	184 K	195 K	4-week moving average rose 4,500 to 177,250
Continuing Claims (4/8 – Th 8:30)	1,417 K	NA	
Leading Economic Index (Mar - Th 10:00)	+0.3%	+0.3%	February revised up to +0.6%
Upcoming Week: Indicator	Consensus Expectation*	Last Period	Comment
Durable Orders (Mar - Tu 8:30)	+1.1%	-2.2%	
Durable Orders ex-transportation (Mar - Tu 8 :80)	+0.5%	-0.6%	
New Home Sales (Mar - Tu 10:00)	770 TUAR	772 TUAR	
Pending Home Sales (Mar - We 10:00)	-1.5%	-4.1%	
Real Gross Domestic Product (Gts.1 - Th 8:30)	+1.1%	+6.9%	Advance estimate
Chain Deflator (Gtc 1 - Th 8:30)	+7.3%	+7.1%	Advance estimate
initial Unemployment Claims (4/23 – Th 8:30)	182 K	184 K	
Continuing Claims (4/18 – Th 8:30)	NA	1,417 K	Not available
Personal Income (Mar - Fr 8:30)	+0.4%	+0.5%	
Personal Spending (Mar - Fr 3:30)	+0.6%	+0.2%	
PCE Prices - Core (Mar - Fr 8:30)	+0.3%	+0.4%	
Michigan Sentiment (Apr - Fr 10:00)	65.7	65.7	Final reading
*Sources: www.briefing.com.and.www.federolreserve.co	nu		

CHMURA Week of April 25, 2022

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Economic Review

permits-a forward-looking March, up 3 percentage metric-rose modestly last points from February. month driven by activity in the Distressed sales accounted volatile multi-family segment. for less than 1% of March HOUSING STARTS inched sales, unchanged from forward 0.3% in March to February. The median sales 1,793 thousand of units at an price advanced 15.0% from annualized rate (TUAR). The March 2021 to \$375,300. At March rate is 3.9% above the the current sales pace, it March 2021 rate of 1,725 would take 2.0 months to sell TUAR. Starts to build single-family homes declined 1.7% for sale. Sales decreased while starts to build units in 2.0% in the Northeast 4.5% buildings with at least five in the Midwest, and 3.0% in units jumped 7.5%. By region, the South while remaining total starts advanced 110.8% unchanged in the West. in the Northeast and 7.7% in the West while falling 2.9% in INITIAL UNEMPLOYMENT the Midwest and 17.2% in the CLAIMS declined to 184,000 South. New BUILDING for the week ending April 16, PERMITS edged up 0.4% to slightly below economists' 1,885 TUAR and are 6.7% expectations. The four-week above the March 2021 rate of moving average rose 4,500 to 1,755 TUAR. Permits for units 177,250. in buildings with five units or BENEFITS decreased 58,000 more jumped 10.9% in March to 1,417,000 for the week while permits to build single-ending April 9. The four-week

Sales of existing homes declined more than expected fell 31,250 to 1,481,750. in March while the median existing home sales price increased at a healthy pace. EXISTING HOME SALES which are counted when contracts are closed, fell 2.7% to 5.77 million units at ar annualized rate (MUAR) from 5.93 MUAR in February. From March 2021, sales decreased 4.5%. First-time buyers purchased 30% of all existing homes sold last month, up 1 percentage point from February. All-cash sales

CHMURA Week of April 25, 2022

Sign up here for complementary updates:

https://www.chmura.com/weekly-economic-update



Existing Home Sales Million of Units, Annualized Rate

WEEKLY ECONOMIC UPDATE



CONTINUED

moving average, a better

measure of underlying trends.

WEEKLY ECONOMIC UPDATE

Fed Speeches The FDMC kept the policy rate rela-tively high in the face of declining in-fetion. The expectated ex-rotal real in-

Federal Reserve Bank of St. Louis President and CEO James Bullard spoke at Princeton University last week. President Bullard talked about how the United States experienced a core personal consumption exnenditure (PCE) inflation rate similar to the current rate of 5.4% in both 1974 and 1983. The Federal Open Market Com-

 The real economy also slabifized with no recession until 1290-91. The contrast between the 1974 and mittee (FOMC) kept the target. President. Bullard. also pre-

range for the federal funds rate sented two interpretations of

terest rate was relatively high.

the next 10 years.

The aubaequent experience was the

core PCE inflation was below 5.4% for

...the Fed is not as far 'behind the curve,' although it would still have to raise the policy rate to ratify the forward guid-

fairty low in response to rising whether the central bank, which inflation in 1974. Subsequently, is expected to raise the target the United States experienced range for the federal funds rate

Federal Reserve Bank of St. Louis President and CEO James Bullard

the United States experiences
by at least 50 basis point at its
next decade and multiple recessions. The FOMC's actions in
1984 were quite different.

Sased on the second interpretasion, which takes into account The IREZ FOMC, which was also being all a core PCE inflation sale possible to reddility of the modern being at a core PCE inflation rate agreement in movestary possible and agreement in movestary possible and agreement and are sale and agreement and agreement and agreement and agreement agreement and agreement agreemen icy rate to ratify the forward guidance."

Financial Markets

U.S. stocks ended last week lower with the Dow Jones Industrial Average decreasing 1.9%, the S&P 500 declining 2.8%, and the NASDAQ falling 3.8%. Treasury yields rose across the curve with the 10-year yield increasing 7 basis points (bps) to 2.90% and the 30-year yield up 3 bps to 2.95%. Oil prices eased 0.8%, ending the week at \$105.67 per barrel. The U.S. dollar climbed 2.1% against the Japanese yen and the euro decreased 0.3% against the greenhank last week



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The information in this newsletter is obtained from sources we believe to be reliable. We cannot, however, guarantee its accuracy and

The Federal Open Market and the unemployment rate imbalances related to the went on to say, "...the Committee (FOMC) raised has declined substantially. In- pandemic, higher energy

the federal funds rate target to flation remains elevated, re- prices, and broader price creases in the target range

0.93

4.58 1.46 1.52 1.89 2.65

0.25% to 0.50% at the Fed's flecting supply and demand pressures." The statement will be appropriate."

0.83

1.34

2.94

4,271.78

12,839.29

323.79

1,934.50

128.50

3.92





Interest Rate Forecast*

March policy meeting. In the

statement released following the March meeting, the

FOMC said, "Indicators of

economic activity and em-

ployment have continued to

strengthen. Job gains have

been strong in recent months,

FINANCIAL MARKET SUMMARY

MONEY MARKETS (Changes in BPs)

MUNICIPAL 8- AAA G.O. & Mortgage (Changes in BPs

MARKET INDICATOR 8 (Changes In %)

Fed Funds (Wed close) TREA SURIES (BE) (Changes in BPs

8 Months

5-Year Mun 10-Year Muni

20-Year Muni 30-Year Conventional Mortgage

3&P 600

NA SDAQ

CRB Futures

Oll (WTI Crude

WEEKLY ECONOMIC UPDATE

2.98

5.00 1.88 1.88 2.23 2.87 3.12 3.57 4.60

5.42 2.29 2.29 2.53 3.07 3.35 3.87 4.87

2rd **9t.** 5.84 2.71 2.88 2.83 3.28 3.57 4.05 5.15 "Forecast as of March 20, 2022

3.30 4.44

(1.3)

(2.9)

(6.8)

22.6

5.5

(6.0)

(2.8)

CHMURA Week of April 25, 2022

34,451.2

4,392.59

13,351.08

1,977.10

125.88

Florida's Workforce System

Adam Briggs, MBA, Ph.D., PMP

Sr. Director, Business & Workforce Strategies

CareerSource Florida





Data-driven Approaches to Building Florida's Talent Pipeline



Adam Briggs, Ph.D.

Senior Director, Workforce Program
Development

CareerSource Florida



Planning for Florida 2030: Key Themes and Initiatives

- Data-driven analysis supplemented by qualitative feedback.
- Differentiating between various types of demand across the state.
- Highlighting credentials of value within a competitive marketplace.
- Identifying career pathways based on relationships among credentials.
- Legislative strategies: REACH Act (2021) and Senate Bill 240 (2023).
- Funding strategies: Pathways to Career Growth Grant, Florida Job Growth Grant Fund, and WIOA Governor's Reserve.
- Systems strategies: FLWINS Workforce System Integration and Education Meets Opportunity Platform.



Information Sources for In-demand Occupations

- Florida Department of Economic Opportunity (DEO): state and regional lists.
- DEO's <u>2022-2030 Employment Projection Dashboard</u>: state, regional, county data.
- Labor Market Estimating Conference Critical Undersupply List.
- Lightcast Labor Market Information and Analytics.
- Florida Chamber Foundation's Workforce Needs Survey 2.0.
- Joint Florida Chamber/CareerSource Florida Industry Focus Groups (2023).



Florida Department of Economic Opportunity

- State-level jobs with demand greater than the state mean for in-demand jobs. (1.49%)
- State-level in-demand jobs also flagged as high-skill, high-wage.
- Source: <u>DEO Demand Occupation</u> <u>Lists</u>.

Computer Network Architects	1.53
Registered Nurses	1.53
Marketing Managers	1.54
Training and Development Specialists	1.58
Construction Managers	1.64
Civil Engineers	1.67
Electronics Engineers, Except Computer	1.69
Mechanical Engineers	1.75
Architectural and Engineering Managers	1.76
Producers and Directors	1.81
Computer and Information Systems Managers	1.82
Management Analysts	1.85
Dental Hygienists	1.87
Electrical Engineers	1.97
Industrial Machinery Mechanics	2.15
Business Teachers, Postsecondary	2.23
Financial Managers	2.28
Industrial Engineers	2.36
Diagnostic Medical Sonographers	2.45
Market Research Analysts and Marketing Specialists	2.73
Respiratory Therapists	3.03
Occupational Therapy Assistants	3.36
Physical Therapist Assistants	3.39
Physician Assistants	3.99
Information Security Analysts	4.14



Florida Department of Economic Opportunity

- State-level jobs with demand greater than the state mean for in-demand jobs. (1.49%)
- State-level in-demand jobs NOT flagged as high-skill, high-wage.
- File also contains Demand Lists for each of Florida's 24 local workforce development areas.
- Source: <u>DEO Demand Occupation</u> <u>Lists</u>.

Medical Secretaries and Administrative Assistants	1.50
Electricians	1.51
Cardiovascular Technologists and Technicians	1.55
Community and Social Service Specialists, All Other	1.56
Licensed Practical and Licensed Vocational Nurses	1.57
Surgical Technologists	1.63
Surveying and Mapping Technicians	1.65
Computer User Support Specialists	1.73
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	1.74
Meeting, Convention, and Event Planners	1.80
Paralegals and Legal Assistants	1.80
Industrial Truck and Tractor Operators	1.83
First-Line Supervisors of Housekeeping and Janitorial Workers	1.83
Dental Assistants	1.87
Biological Technicians	1.89
Security and Fire Alarm Systems Installers	2.00
Tile and Stone Setters	2.06
Glaziers	2.24
Phlebotomists	2.29
Medical Assistants	2.34
Roofers	2.35
Substance Abuse, Behavioral Disorder, and Mental Health Counselors	2.37
Audio and Video Technicians	2.49
Interpreters and Translators	3.15



Labor Market Estimating Conference (LMEC)

- State-level critical undersupply jobs with less than 95% of demand projected for 2032 met.
- Top 7/10 and 4/5 require nondegree postsecondary credentials.
- File also contains wage information and critical undersupply estimates for each of Florida's 24 local workforce areas.
- Source: <u>LMEC Statewide and Workforce Region Data File</u>.

Educational Requirement	Occupational Title	Undersupply FY 2031- 2032	% of 2032 Demand Met
Postsecondary nondegree award	Nursing Assistants	-36,207	74.80%
Postsecondary nondegree award	Licensed Practical, Licensed Vocational Nurses	-18,253	75.63%
Postsecondary nondegree award	Real Estate Sales Agents	-12,101	81.41%
Associate's degree	Cardiovascular Technologists/ Technicians	-1,364	82.05%
Postsecondary nondegree award	Cooks, Private Household	-685	83.53%
Associate's degree	Nuclear Medicine Technologists	-316	86.86%
Postsecondary nondegree award	Hearing Aid Specialists	-137	89.19%
Postsecondary nondegree award	Heavy and Tractor- Trailer Truck Drivers	-12,573	90.27%
Associate's degree	Magnetic Resonance Imaging Technologists	-387	91.70%
Postsecondary nondegree award	Motorboat Mechanics and Service Technicians	-244	94.46%



Lightcast Industry Credential Pathways

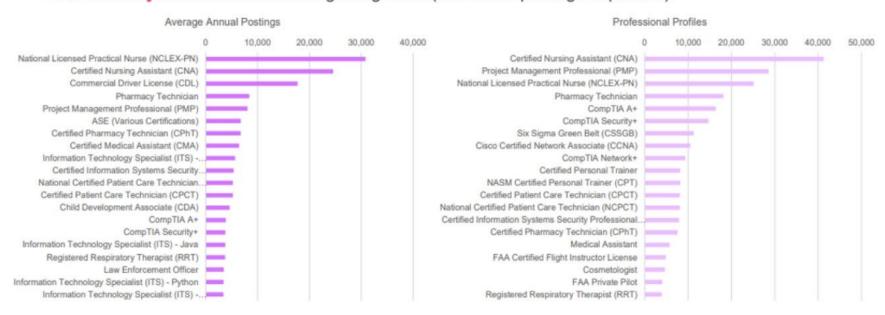
Create a master list of approved credentials Link credentials to SOCs manually Validate and expand SOC linkages using labor market signal

Establish a sequence of credentials

Identify industry sector career pathways

Top industry certifications by supply and demand

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





Industry Engagement

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.

8 Regions

4 Occupational Groups

- Manufacturing
- Information Technology
- Healthcare
- Finance/Professional Services

70 employers engaged to date





Legislative Strategies to Support Talent Development

- REACH Act has led to:
 - Creation of <u>Credentials Review Committee</u> and interagency Steering Committee.
 - Development of a <u>Framework of Quality</u> and <u>Master Credentials List</u>.
 - Research to inform <u>Workforce System Transformation</u>, a focus in 2023-24.
- Senate Bill 240 from the 2023 Florida Legislative Session calls for:
 - Creation of an Education and Industry Consortium for each workforce area.
 - Development of workforce education partnerships at state universities.
 - Greater efficiencies and expansion of registered apprenticeship processes.



Funding Strategies to Support Talent Development

State-level grants:

- <u>Pathways to Career Opportunities Grant</u> funds for expanding apprenticeship and pre-apprenticeship programs in high schools, career centers, charter technical career centers, Florida College System institutions, and other authorized apprenticeship sponsors.
- <u>Florida Job Growth Grant Fund</u> an economic development program designed to promote public infrastructure and workforce training across the state.

Governor's WIOA Reserve Budget

- Current initiatives Get There Faster awards focused on returning adult learners, veterans and at-risk Floridians.
- Investments for 2023-24 include: \$2.5M to support the Hope Florida initiative led by the Florida Department of Children and Families, \$2.75M for the Florida Healthcare Training initiative, and \$4M to support CareerSource Florida network navigators.



Systems Strategies to Support Talent Development

FLWINS Workforce System Integration Initiative

- Reduces redundancy and promotes efficiency for staff and customers alike.
- Supports the REACH Act's "no-wrong-door" approach to client engagement.
- Leverages existing partner systems within a hybrid/hub environment.
- Enables a closed-loop referral process for case management integration.

Education Meets Opportunity Platform

- Enables analysis across programs, career clusters, institutions, and demographics.
- Contains valuable insights on enrollments, retention, and completions.
- Promotes transparency and access to information for decision making at all levels.





Questions and Discussion

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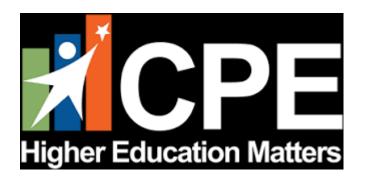


Innovative Postsecondary Programs

Aaron Thompson, Ph.D.

President

Kentucky Council on Postsecondary Education





Kentucky's Workforce
Challenges and
Postsecondary Education's
Solutions

Aaron Thompson
President
Kentucky Council on Postsecondary Education





Kentucky's Workforce Challenge

Kentucky's workforce participation rate is one of the lowest:

 Ranked 43rd in the nation, or the seventh-worst.

The rate has been steadily declining over the past 20 years:

- 63.4% in 2001 to 57.5% in 2022.

The state's population growth has stagnated over the past 20 years:

Growth was half the national rate.

Economic Implications

More reliance on public assistance:

 Kentucky is ranked 5th in the nation for the percentage of the population reliant upon federal aid.

Strains on state and local resources. Out of the state's general fund appropriations:

- Over 15% goes toward Medicaid.
- Nearly 12% goes toward criminal justice –
 Kentucky is ranked 9th in the nation for incarceration rates.

Workforce Implications

Employer difficulties with hiring and meeting the demands of customers:

 During 2022, KY had nearly 100,000 more open jobs than unemployed Kentuckians looking for work.

Challenges with business attraction, retention and expansion:

 Kentucky's low educational attainment (54.3%) makes it difficult to compete with other states with higher rates.

Framework for Improvement



Strategies for Increasing Attainment

Elevating the value of higher education:

 Spreading the "Higher Education Matters" message and educating the public on "What Is College."

To strengthen the link between education and career:

 Creating more employer-education partnerships and improving career advising.

To make the transition to college easier:

 Providing more dual credit courses and scholarships.

#1 Priority: Healthcare Workforce

By 2030, over 15,000 more healthcare jobs will be <u>added</u> to the sector, an 11.6% increase.

Retention is a problem.

 More than 14% of registered nurses at Kentucky hospitals are "nearing retirement age."

Mental health professionals are a growing need.

 By 2030, it's projected that the need for mental health counselors and substance abuse/behavioral disorder counselors will have increased by 26%.

Strategies for Healthcare

Bringing together education and employers to address current staff shortages and grow capacity.

- Healthcare Workforce Collaborative: A multi-sector group focused on addressing issues facing healthcare graduate success along the P20 pipeline.
- Healthcare Workforce Investment Fund:
 A private-public partnership to provide scholarships and other incentives to grow student recruitment.
- CLIMB Health: An initiative creating postsecondary pathways for Kentuckians in recovery to become counselors.

SREB

State Collaborative Action Planning

- Promoting In-Demand Jobs
- Implementing Strategics to Strengthen the Education and Workforce System

State Collaborative Action Planning

Consider the Workforce Presentations to:

- 1. Validate workforce projections for your state;
- 2. Identify needed data to paint the full picture of workforce needs for your state;
- 3. Determine 2-3 critical actions needed to strengthen the alignment of the education and workforce system within your state.



JobsEQ Economic Overview & RTI Report

Use your state's Report to support your discussions.

Reports include:

- Demographic Profile
- Industry Snapshot
- Occupation Snapshot
- Education Levels
- RTI Openings by Occupations
- RTI Openings by Employer
- RTI Openings by Certifications





Your Priority Action (Mentimeter)

Enter one priority action for your state.

Please remember to include your state's abbreviation in your response.



SREB

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