Supplemental Materials: Figures and Tables

Index

Figure 1:	ACE-IL At-a-Glance showing the high-level organization and functional	
	components.	2
Figure 2: 1	Illinois Employment Statistics for Selected Industry	3
Figure 3: 1	Illinois Education Inequities	4
Figure 4:	Building upon the Career Pathways Dictionary, ACE-IL will leverage extensive employer and training stakeholder partnerships throughout the state.	5
Figure 5:	Illinois' 22 Local Workforce Innovation Areas shown within the state's 10 Economic Development Regions	6
Figure 6: .	ACE-IL Partner Institutions and Organizations include State Government (including five departments of the Illinois Department of Commerce and Economic Opportunity, DCEO), program pilots, institutions of higher education, and both industry and workforce innovation partnerships.	7
Figure 7: .	ACE-IL partner Illinois Innovation Network (IIN) Hubs shown here overlaid on the June 2020 Illinois unemployment rates by county. IIN is a system of connected university-community-industry-based hubs throughout the state that work together to drive innovation, economic development, and workforce development across Illinois. Hubs utilize a combination of research, public-private partnerships, entrepreneurship, and workforce training programs to spur economic growth in their region and throughout the state	8
Figure 8:	Example of three established industry-aligned credentials, with associated required and optional badges, from the SIUE program, whose credentialing systems will serve as a model for ACE-IL.	9
Figure 9: 1	Illinois industry sectors showing percent change expected from 2016-2026 (horizontal) and location quotient (verticle)	10

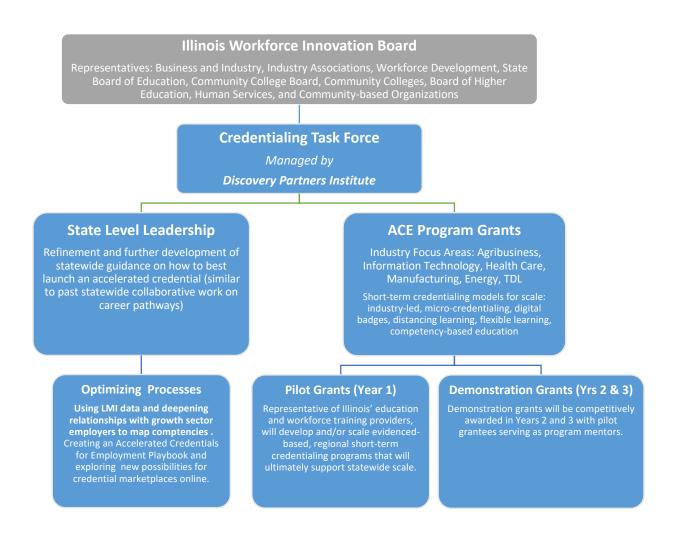


Figure 1: ACE-IL At-a-Glance showing the high-level organization and functional components.

Figure 2 shows Illinois economic growth sectors from the Governor's 2019-2024 Economic Development Report: A Plan to Revitalize the Illinois Economy and Build the Workforce of the Future. Available at:

https://www2.illinois.gov/dceo/Documents/IllinoisEconomicPlan2019.10.9.2019.pdf

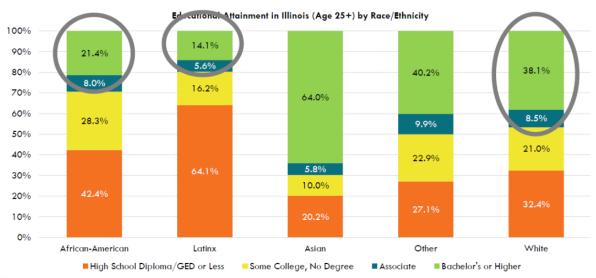
Jobs in 2018	Average wage	Location quotient	Employment change, 2009–18	Number of employers	Projected employment change, 2016–26	State purchasing coefficient	Value added per employee
192,084	\$60,106	0.96	22.6 %	8,982	4 5.5%	\$34	\$99,099
54,401	\$95,741	0.96	€ 3.0%	2,062	0.0%	\$60	\$514,050
137,651	\$108,153	0.84	39.5 %	15,780	() 11.9%	\$65	\$129,300
48,751	\$152,030	0.90	6 5.1%	1,655	2.0%	\$24	\$386,973
733,133	\$57,732	0.94	€ 8.0%	29,713	€ 8.1%	\$66	\$96,154
417,830	\$68,260	1.20	€ 2.2%	13,240	1.0 %	\$32	\$146,155
515,178	\$70,129	1.27	() 15.1%	40,801	9 .4%	\$75	\$71,731
	192,084 54,401 137,651 48,751 733,133 417,830	Jobs In 2018 wage 192,084 \$60,106 54,401 \$95,741 137,651 \$108,153 48,751 \$152,030 733,133 \$57,732 417,830 \$68,260	Jobs in 2018 wage quotient 192,084 \$60,106 0.96 54,401 \$95,741 0.96 137,651 \$108,153 0.84 48,751 \$152,030 0.90 733,133 \$57,732 0.94 417,830 \$68,260 1.20	Jobs in 2018 Average wage Location quotient change, 2009-18 192,084 \$60,106 0.96 \$22.6% 54,401 \$95,741 0.96 3.0% 137,651 \$108,153 0.84 \$39.5% 48,751 \$152,030 0.90 \$5.1% 733,133 \$57,732 0.94 \$8.0% 417,830 \$68,260 1.20 \$2.2%	Jobs in 2018 Average wage Location quotient change, 2009-18 Number of employers 192,084 \$60,106 0.96 \$22.6% 8,982 54,401 \$95,741 0.96 3.0% 2,062 137,651 \$108,153 0.84 \$39.5% 15,780 48,751 \$152,030 0.90 \$5.1% 1,655 733,133 \$57,732 0.94 8.0% 29,713 417,830 \$68,260 1.20 2.2% 13,240	Jobs In 2018 Average wage Location quotient Employment change, 2009–18 Number of employers employment change, 2016–26 192,084 \$60,106 0.96 \$22.6% 8,982 \$5.5% 54,401 \$95,741 0.96 3.0% 2,062 0.0% 137,651 \$108,153 0.84 39.5% 15,780 11.9% 48,751 \$152,030 0.90 \$5.1% 1,655 2.0% 733,133 \$57,732 0.94 \$8.0% 29,713 \$8.1% 417,830 \$68,260 1.20 2.2% 13,240 \$1.0%	Jobs in 2018 Average wage Location quotient Employment change, 2009-18 Number of employers State purchasing coefficient 192,084 \$60,106 0.96 \$22.6% 8,982 \$5.5% \$34 54,401 \$95,741 0.96 3.0% 2,062 0.0% \$60 137,651 \$108,153 0.84 \$39.5% 15,780 \$11.9% \$65 48,751 \$152,030 0.90 \$5.1% 1,655 \$2.0% \$24 733,133 \$57,732 0.94 \$8.0% 29,713 \$8.1% \$66 417,830 \$68,260 1.20 \$2.2% 13,240 \$1.0% \$32

Note: Location quotient is the ratio of the employment share in Illinois to the employment share in the nation. State purchasing coefficient is the share of every \$100 spent by companies in this industry that goes to suppliers in Illinois. The "manufacturing" industry includes only manufacturing industries not included in other sectors.

Source: Illinois Department of Employment Security, Quarterly Census of Employment and Wages, 2009 and 2018

Figure 2: Illinois Employment Statistics for Selected Industries.

Large attainment gaps between White and African American, Latinx adults





Source: 2018 American Community Survey IPUMS 5-Year Estimates

Figure 3: Illinois Education Inequities among adults (age 25 or older). Source: https://www.ibhe.org/pdf/IBHE Equity Update ppt.pdf

6

State Boards







State Agencies















External Partners









Figure 4: Building upon the Career Pathways Dictionary, ACE-IL will leverage extensive employer and training stakeholder partnerships throughout the state.

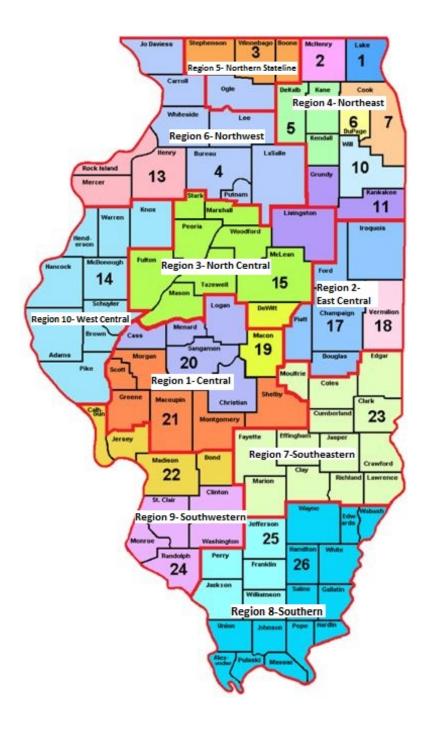


Figure 5: Illinois' 22 Local Workforce Innovation Areas shown within the state's 10 Economic Development Regions.

State Government

Governor's Office

DCEO Office of Employment & Training (Illinois Workforce

Innovation Board)

DCEO Regional Economic Development (RED) Team

DCEO Office of **Minority Economic Empowerment**

Illinois State Board of **Education**, Career & **Technical Education**

Illinois Dept. of **Economic Security** (Unemployment

Insurance)

DCEO Small Business Development Center

DCEO Office of Entrepreneurship, Innovation & **Technology**

Model Programs

Discovery Partners Institute (TechReadyIllinois)

Southern Illinois University Edwardsville

Illinois Community College Board (Waubonsee & Kaskaskia)

Rush Medical

Higher Education

University of Illinois

Illinois State University

Center for Specialized Professional Support

Northern Illinois University

Education Systems Center

Illinois Innovation Network

(all public universities and community colleges)

Industry and Workforce

CompTIA

(represents Info Tech sector)

Technology and Manufacturing Association

(represents Manufacturing Sector) Illinois Workforce **Partnership**

(association of the 26 Illinois Local Workforce Innovation Areas - LWIA)

Local Workforce Innovation Area 22

(Madison & Bond-Greater St. Louis area)

Figure 6: ACE-IL Partner Institutions and Organizations include State Government (including five departments of the Illinois Department of Commerce and Economic Opportunity, DCEO), model programs, institutions of higher education, and both industry and workforce innovation partnerships.

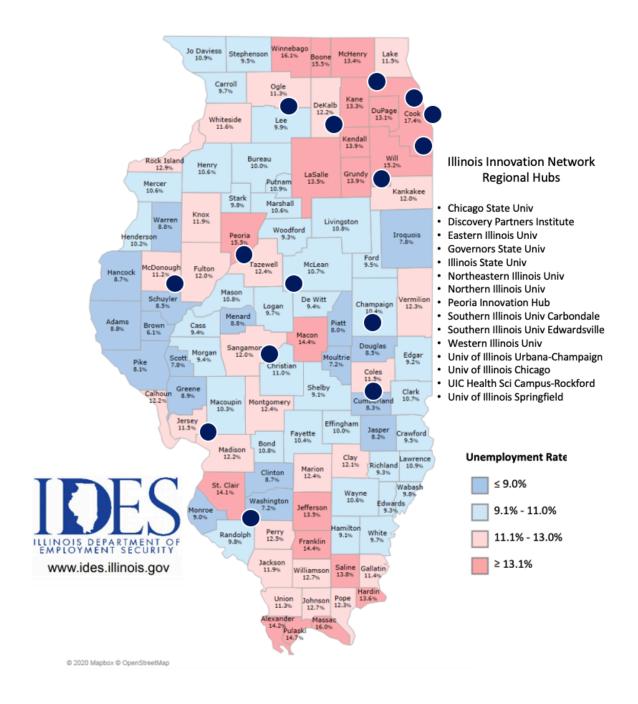


Figure 7: ACE-IL partner Illinois Innovation Network (IIN) Hubs shown here overlaid on the June 2020 Illinois unemployment rates by county. IIN is a system of connected university-community-industry-based hubs throughout the state that work together to drive innovation, economic development, and workforce development across Illinois. Hubs utilize a combination of research, public-private partnerships, entrepreneurship, and workforce training programs to spur economic growth in their region and throughout the state.

INDUSTRY-ALIGNED CREDENTIAL	REQUIRED BADGES			
Laboratory Technician				
	Applied Chemistry/Biology/Math Fundamentals			
	Lab Safety			
	Introduction to General Laboratory Techniques			
	Introduction to Good Documentation Practices			
Food Science Technician				
	Applied Chemistry/Biology/Math Fundamentals			
	Lab Safety			
	Introduction to General Laboratory Techniques			
	Introduction to Good Documentation Practices			
	Food Science			
	Optional Food Safety Specialization			
	Microbiology			
Chemistry Technician				
	Applied Chemistry/Biology/Math Fundamentals			
	Lab Safety			
	Introduction to General Laboratory Techniques			
	Introduction to Good Documentation Practices			
	Intermediate Chemistry and Biology Fundamentals			
	Intermediate Laboratory Techniques			
	Chemistry Lab Manual			
	Introduction to Analytical Chemistry Techniques			
	Introduction to Quality Assurance and Quality Control			
	Optional Chemical Technician Specialization			
	Introduction to Biochemistry and Cellular/Molecular			
	Biology			
	Microbiology			

Figure 8: Example of three established industry-aligned credentials, with associated required and optional badges, from the SIUE program, whose credentialing systems will serve as a model for ACE-IL.

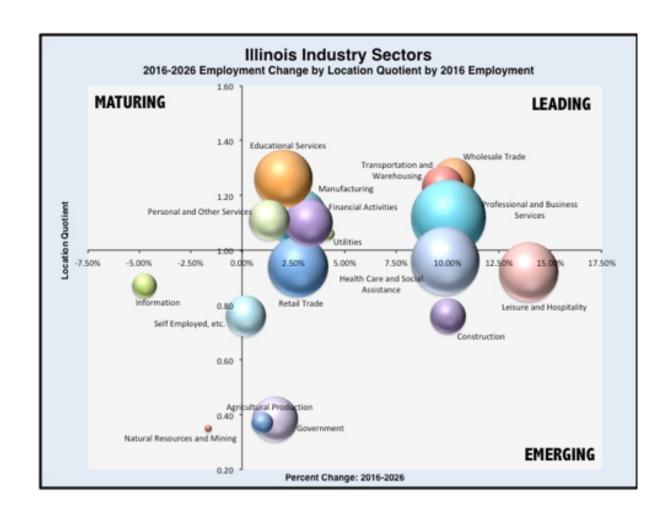


Figure 9: Illinois industry sectors showing percent change expected from 2016-2026 (horizontal) and location quotient (vertical)