

Bridging Education and Industry

Preparing Students for the Digital Tech Workforce

**TUESDAY, SEPTEMBER 17TH
FROM 12 - 1 PM EST**

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Jennifer Dunn

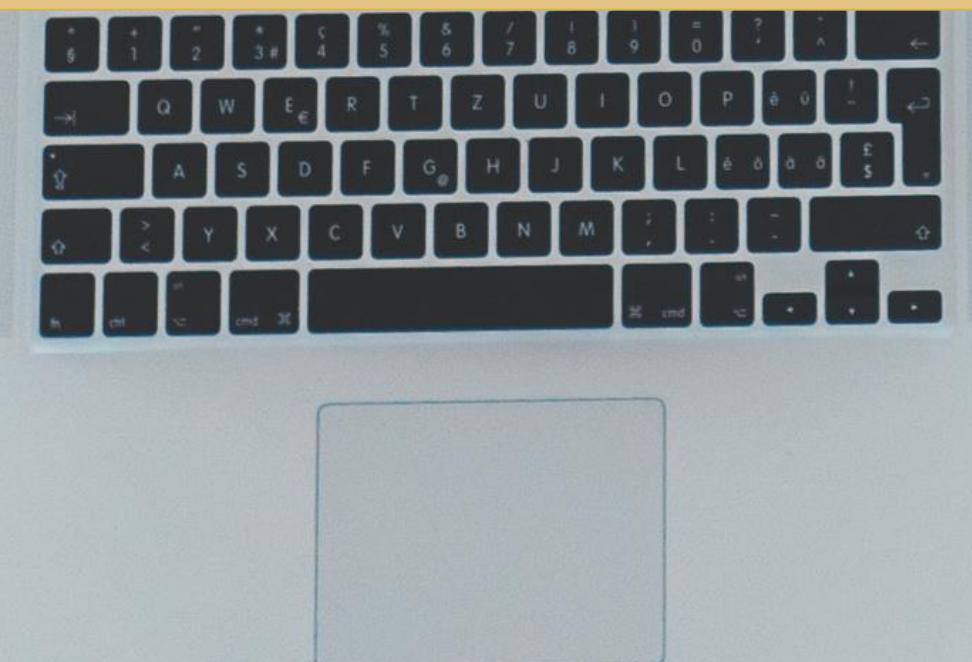
Atua Emu

Kim Sarro

Bridging Education and Industry: Preparing Students for the Digital Tech Workforce

In today's rapidly evolving job market, the collaboration between education and industry is crucial for career success. Join our expert panel as we explore how partnerships between employers and K-12 and higher education institutions are transforming the workforce landscape, particularly in the digital technology sector.

Discover how initiatives like the Greater Washington Partnership Skills & Talent Initiative are creating new pathways for diverse students to enter in-demand tech roles. We'll discuss the importance of work-based learning, industry-validated competencies, and how these efforts are making career opportunities more accessible to students from all backgrounds.



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U.S. Department of Education

Unlocking Career Success

Blurring the lines between high school, college, and career.

- Received personalized career guidance and Career Advising and Navigation that is informed by labor market data, plans for next steps, and empowers students and their families to make real choices about their futures;
- Engaged in paid work-based learning in which they solve real world problems, hone their skills, build networks of social capital, and gain experience in the workplace;
- Received their first industry credential(s) that demonstrates that they have the competencies and skills that employers are seeking; and
- Earned at least 12 college credits, including academic-content and career connected courses through dual enrollment opportunities.



Dual Enrollment



Work-based Learning



Workforce Credentials



Career Advising and Navigation

Website: <https://cte.ed.gov/unlocking-career-success/home>



Healthcare

“

**What employers
say¹ ...**

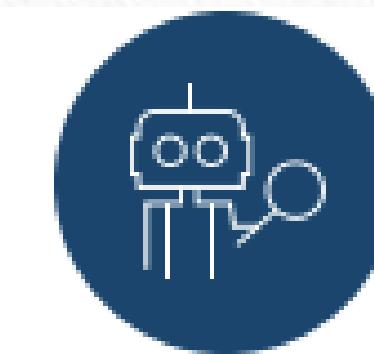
**Highlighted
skill family
demand change,
2019-2023²**

**Largest gaps
between employer
demand and
workforce supply²**

*We need to think ahead
to make healthcare jobs
more attractive for young
talent.*

58% growth
in demand for
pharmacy skills
(e.g., med dispensation)

- Nursing, patient care
- Emergency medicine
and critical care
- Primary care



Tech/AI

*Tech/AI jobs are
evolving quickly, and we
still have gaps in the
more traditional tech
roles.*

111% growth
in demand for AI/ML
skills (e.g., machine
learning)

- Foundational tech
competency
- Cybersecurity
- Cloud computing



Advanced Industries

*Fewer people are going
into skilled trades, and
many members of the
current workforce will
retire, creating challenges.*

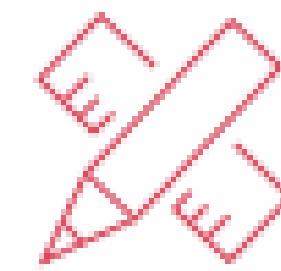
68% growth
in demand for
specialized
manufacturing skills
(e.g., welding)

- Logistics
- Manufacturing
technology
- Product development

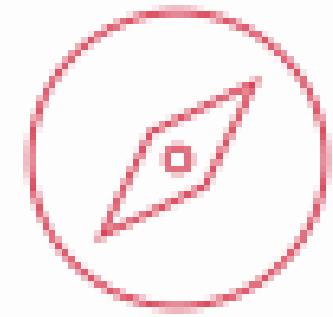


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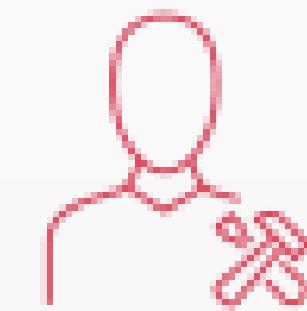
Source: www.greaterwashingtonpartnership.com



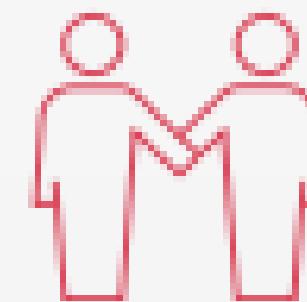
**Building the
future workforce**



**Succeeding
through skill-
based talent
journeys**



**Upskilling and
reskilling the
existing workforce**



**Ensuring
equitable skill-
building**



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Source: www.greaterwashingtonpartnership.com

The Employer Signaling System



Explore the
Data

 Occupations

 KSACs

 Pathways

 Methodology

Source: www.greaterwashingtonpartnership.com



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THANK YOU FOR JOINING US

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