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Bridging Education and Industry

Preparing Students for the Digital Tech Workforce

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



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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 ...

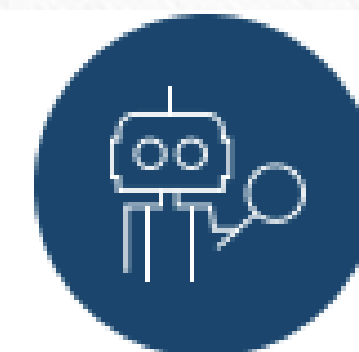
We need to think ahead to make healthcare jobs more attractive for young talent.

Highlighted skill family demand change, 2019-2023²

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

Largest gaps between employer demand and workforce supply²

- 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



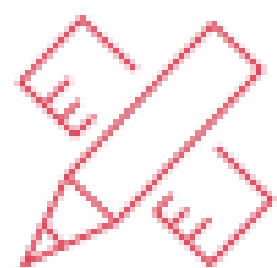
Advanced Industries

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

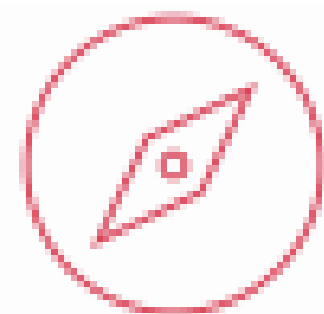
68% growth
in demand for specialized manufacturing skills (e.g., welding)

- Logistics
- Manufacturing technology
- Product development

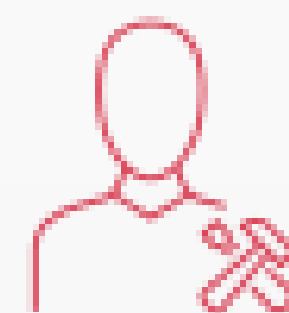
Source: www.greaterwashingtonpartnership.com



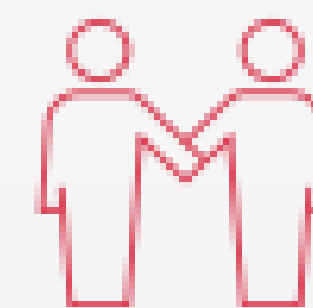
**Building the
future workforce**



**Succeeding
through skill-
based talent
journeys**



**Upskilling and
reskilling the
existing workforce**



**Ensuring
equitable skill-
building**

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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