

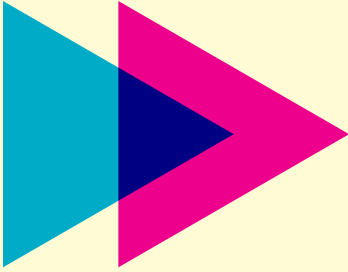


TechAlliance



Strengthening  
Washington's  
Tech & Innovation  
Economy





# Strengthening Washington's Tech & Innovation Economy

Washington's economy is rooted in technology and innovation, boasting premier research institutions, dozens of new startups each year, and companies from every sector pioneering new technologies. And yet we aspire for more. There are considerable gaps between the demand for high-tech employees and the capacity of our higher education institutions. STEM comprises a major portion of our workforce yet diversity in that workforce lags. New ideas are created and nurtured, then lack of funding drives leaders to look - and often relocate - elsewhere for support.



The Technology Alliance is a statewide non-profit that daylights these issues with data and stories, reports and research, then works to make an impact through targeted events and programs. The Tech Alliance has been strengthening Washington's innovation economy for more than 20 years, and our work continues.

This report continues a tradition of benchmarking the state's progress on key metrics indicative of a robust tech economy, and notes how and where the Tech Alliance is working to have an impact on these metrics.



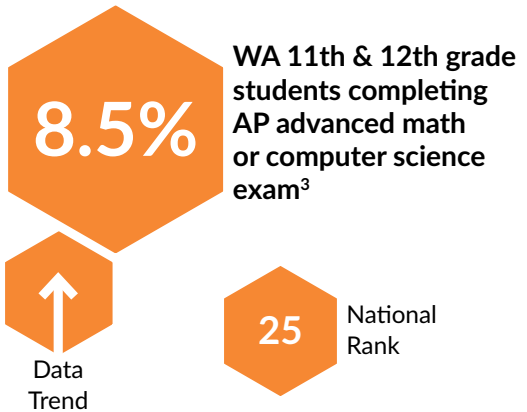
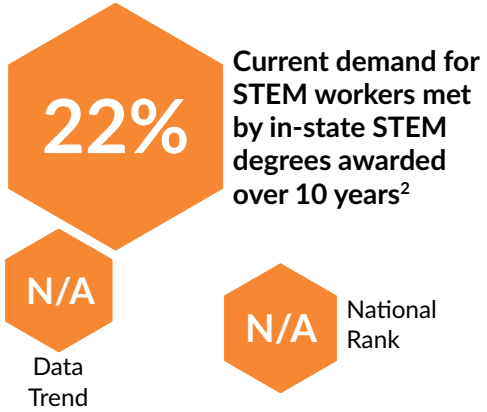
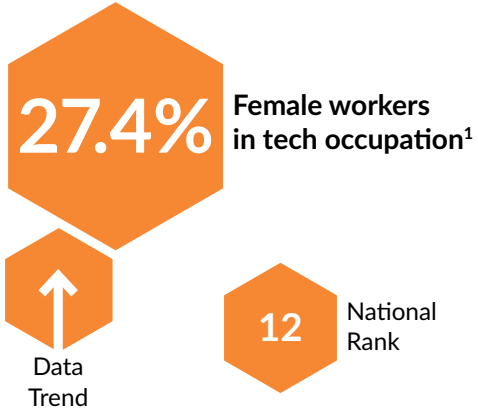
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# Education & Talent Pipeline

## Current Focus

Leveraging education and job data to connect young people to opportunities that align with their passions, and researching the state's STEM pipeline at multiple entry points and with different filters.



## Research Capacity

### Current Focus

Using key metrics and illustrative examples to tell the impact story our research institutions are having on the state's economic sectors.



Publicly funded R&D spending in higher ed<sup>4</sup>



Data  
Trend



National  
Rank



Privately funded R&D spending in higher ed<sup>5</sup>



Data  
Trend



National  
Rank



Patent filers per 1,000 workers<sup>6</sup>



Data  
Trend



National  
Rank



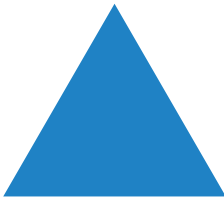
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# Entrepreneurial Strength

## Current Focus

Growing investment in Pacific Northwest start-ups by nurturing and connecting local corporate venturers and exploring public and pooled investment mechanisms.



Net gain of new tech startups<sup>7</sup>



Data Trend



National Rank



VC deals closed<sup>8</sup>



Data Trend



National Rank



Total VC invested<sup>9</sup>



Data Trend



National Rank



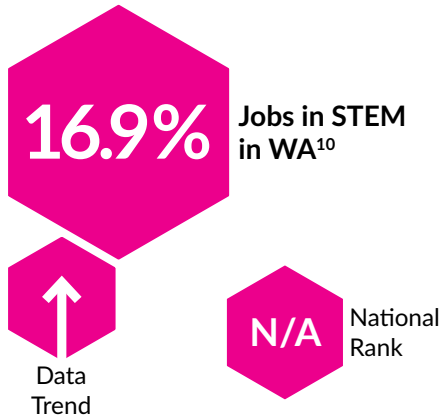
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# Tech's Reach

## Current Focus

Daylighting the breadth, depth and impact of tech and innovation across the state with an interactive digital report and facilitating public-private sector conversations on the same.



<sup>1</sup> U.S. Bureau of Labor Statistics (2017). Analysis by CompTIA Cyberstates 2018 [http://www.cyberstates.org/pdf/CompTIA\\_Cyberstates\\_2018.pdf](http://www.cyberstates.org/pdf/CompTIA_Cyberstates_2018.pdf)

<sup>2</sup> Numerator: ESD (2017) for total Online Job Openings by ESD (2017) Denominator: IPEDS (2005-2015) for total STEM graduates

<sup>3</sup> College Board AP Participation Data (2017)

<sup>4</sup> NSF HERD Table 68 (FY 2016)

<sup>5</sup> Id

<sup>6</sup> ITIF: High Tech Nation, Data by USPTO (2012-2015): <http://www2.itif.org/technation-2016-report.pdf>

<sup>7</sup> CompTIA Cyberstates (2018), Data by Hoovers: [http://www.cyberstates.org/pdf/CompTIA\\_Cyberstates\\_2018.pdf](http://www.cyberstates.org/pdf/CompTIA_Cyberstates_2018.pdf)

<sup>8</sup> NVCA 2018 Yearbook, Data by Pitchbook: <https://nvca.org/research/research-resources/>

<sup>9</sup> Id

<sup>10</sup> ESD (2017). Analysis by CAI <http://tech-impact-report.technology-alliance.com/>



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