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## **CYBERSECURITY: LABOR MARKET ANALYSIS AND STATEWIDE SURVEY RESULTS** FROM CALIFORNIA EMPLOYERS AND POSTSECONDARY INSTITUTIONS



June 2018

This study was prepared under contract with the California Governor's Office of Planning and Research with financial support from the U.S. Department of Defense, Office of Economic Adjustment.

Prepared by:  
The California Community Colleges  
Centers of Excellence for Labor Market Research





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- Study gathered information about workforce needs in California and the scope of training being provided by educational providers across the state.
  - Statewide survey of 385 businesses.
    - Collected data on nine of the most common cybersecurity occupations.
  - Primary and Secondary Data collected on public and private postsecondary institutions offering cybersecurity related programs.



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- Employer Survey
  - Strong cybersecurity employment growth is expected over the next 12 months.
  - 4% to 21% increase for the work roles studied.
  - Represents an increase of about 14,300 positions.



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Employers reported an increase of

**14,300**★

cybersecurity jobs in the next 12 months

**3,200**

Awards conferred by California training programs that are **cybersecurity focused** or include **aspects of cybersecurity**

Potential training gap of **11,100**★ cybersecurity jobs



- “The Cybersecurity Labor Market Analysis is a major step forward in understanding the significant gap between the demand for cybersecurity-related occupations and number of qualified candidates in the state,” said GO-Biz Director Panorea Avdis.



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- **K12 SWP Initiative**
  - Partnering with Steven Glycer, Workforce Development Consultant - Orange County Office of Education AND Inland Empire COE to guide statewide efforts to roll out regionally
    - Crosswalk Enrollment Tool
    - Parent, Student, CE Teachers, and Counselor Surveys
    - COE/LMI



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- **Adult Education (AEBG)**
  - COE focus on how LMI will be incorporated into regional data and accountability training for adult education consortia this fall.





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- **Adult Education (AEBG)**
  - Data and Accountability Training (WestEd)
    - Offered in person in each region
    - Consortia will be able to send teams of K12 and CC representatives including key practitioners involved in their planning processes for their three year plan.
  - Focus on:
    - Community need and customer segmentation data
    - Labor market information and supply and demand tools
    - The LaunchBoard Adult Education Data Pipeline