

California Community Colleges Chancellor's Office  
Workforce and Economic Development

# CCCCIO Spring 2021 Conference

April 9, 2021

# Retooling CTE and Workforce Programs to Focus on Employment Outcomes

**-because people don't go to school for fun**



# Role of Employer Engagement



- Increase WBL opportunities for students
- Increase employment outcomes for students
- Increase responsiveness to employer workforce training needs

# 21-22 State Budget - Workforce Funding Focus

## Recovery with Equity

- Short-term workforce training
- Flexible Earn and Learn models
- Apprenticeships
- Credit for Prior Learning
- High Road and Regional Partnerships
- Employment outcomes
- Supports for part-time and adult learners



# Economies and Occupational Sectors that will drive Recovery



# The Five Economies - Logistics Economy

- Global pandemic impacts to the global supply chain resulted in bare shelves for basic supplies such as toilet paper.
- Demand for advanced logistics skills will continue to grow with advanced manufacturing and the Internet of Things
- Changing consumer patterns during the pandemic is expected to continue post pandemic, continuing the increased demand for advanced logistics skills.
- Business supply chains will also be transformed to ensure more resiliency and efficiency based on lessons learned during the pandemic.

## Occupational Sectors include:

- Supply Chain Management,
- Data Management and Analytics
- Customer Services
- Network Systems (IoT)
- Ecommerce
- Transportation
- Manufacturing
- Infrastructure building
- Project Management

# The Five Economies - Green Economy

- California is the leader in clean renewal energy
- Southern California **Ports'** Clean Air Action Plan calls for transitioning to zero emission operations by 2030 and on-road trucks by 2035
- Governor **Newsom's** Executive Order that all new cars and passenger trucks sold in California be zero-emission vehicles by 2035.
- The green economy also overlaps with the infrastructure and readiness economy, with many similar occupational sectors.

## Occupational Sectors include:

- Renewable Energy/Solar and Wind
- Sales and Business Development
- Project Management
- Manufacturing
- Financial
- Engineering
- Environmental

# The Five Economies - Remote Economy

- The shift to remote work from the Pandemic is likely to be permanent
- Implications include the growing dependence on data, software, and networks will drive change
- Expanding use of artificial and virtual reality technologies  
Expansion of networks and security, as well as finance and business sectors will require workers to increase their digital skills knowledge and application across multiple sectors.

## Occupational Sections include:

- Cloud computing
- Cybersecurity
- Network systems
- Customer Services
- Telecommunications Infrastructure (5G)
- Ecommerce
- Education Technology
- Project Management



# The Five Economies - Automated Economy

- Adoption of automation and artificial intelligence accelerated during the pandemic, and will continue beyond, Low-skills workers are even more at risks, while jobs shift to those that develop and support automation
- Automation is related to computer networks and security, particularly with research and development in autonomous vehicles (including drones)
- Business needs for customer services that are increasingly requires higher digital skills.

## Occupational Sections include:

- Healthcare
- Information Technology/Artificial Intelligence/Machine Learning
- Manufacturing/Robotics
- Finance
- Project Management
- Biotechnology

# The Five Economies - Readiness Economy

- The state of health care readiness was the focus under the pandemic
- Flaws were exposed in our infrastructure, cybersecurity, and insurance and other fields that provide social resilience
- Biotechnology plays a big role in readiness against future pandemics and protection of public health, with implications for public sector occupations.

## Occupational Sectors include:

- Cybersecurity
- Infrastructure building
- Public Health
- Healthcare/Allied Health
- Biotechnology