scaling innovations in higher ed

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CALIFORNIA
• Regional economies
  • Differing labor market needs
  • Industry sectors
• 115 community colleges
• Student workforce outcomes

WORKFORCE MISSION
From afterthought to state policy priority
From $100M to over $1B
From data laggard to leader
Celebrate Strong Workforce Stars!

- Students increased earnings by 50% or more
- 70% or more attained the regional living wage, or
- 90% or more reported being employed in their field of study
<table>
<thead>
<tr>
<th>Region</th>
<th>GOLD</th>
<th>SILVER</th>
<th>BRONZE</th>
</tr>
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<tbody>
<tr>
<td>BAY AREA</td>
<td>30</td>
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<td>209</td>
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<tr>
<td>CENTRAL MOTHER LODGE</td>
<td>16</td>
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<td>INLAND EMPIRE-DESERT</td>
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<td>23</td>
<td>84</td>
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<td>LOS ANGELES-ORANGE COUNTY</td>
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<td>55</td>
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<td>NORTH-FAR NORTH</td>
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<td>135</td>
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<tr>
<td>SAN DIEGO-IMPERIAL</td>
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<td>36</td>
<td>90</td>
</tr>
<tr>
<td>SOUTH CENTRAL COAST</td>
<td>11</td>
<td>21</td>
<td>80</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>114</strong></td>
<td><strong>296</strong></td>
<td><strong>977</strong></td>
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</tbody>
</table>
Amazon Web Services, 19 Los Angeles Community Colleges Collaborate to Launch a Regionally-Recognized Cloud Computing Certificate
Top Ten 21st Century Skills
Adaptability
Analysis/Solution Mindset
Collaboration
Communication
Digital Fluency
Entrepreneurial Mindset
Empathy
Resilience
Self-Awareness
Social/Diversity Awareness
Course Map

Computer Science  A.S. Degree for Transfer

With Transfer To: California State University System

Time to Completion: 2 years

1st TERM
- COMP B11
  3.0 Units
  Programming Concepts and Methodology I

2nd TERM
- COMP B12
  3.0 Units
  Programming Concepts and Methodology II

3rd TERM
- COMP B14
  3.0 Units
  Discrete Structures

4th TERM
- COMP B13
  3.0 Units
  Computer Architecture and Organization

- PHYS B4A
  4.0 Units
  Mechanics and Wave Motion

- PHYS B4B
  4.0 Units
  Heat, Electricity, Magnetism

- MATH B6A
  4.0 Units
  Analytic Geometry/Calculus I

- MATH B6B
  4.0 Units
  Analytic Geometry/Calculus II
Deloitte, The Future of Work

Charting New Paths to the Future in the California Community Colleges

- Strengthening group identities
- Identifying and communicating points of synergy
- Streamlined curriculum design
- Pinpointing standout programs
- Preparing students for the digital economy
- Matching with pathways in real time
- Identifying equivalent measures
- Employer-verified skill badging
- Preparing a resource for employer upskilling
- Learning by making
- Digital upskilling opportunities
- Experimenting with alternative funding models
- Customizing definitions of success
- Training the next generation of amplified worker
- Enlisting everyone as a visionary leader
- Easing and facilitating industry interactions at scale

Doing What MATTERS for Jobs and the Economy:
Charting Paths to Second Curve Innovation

Projects and investments DWM is taking on today that will chart the way for the second curve of the California Community Colleges

First Curve (business as usual)
Second Curve (coming wave of innovation)
What Is Happening: Required Adaptation

Singularity: Hybrid Human + Machine
Artificial Intelligence + Autonomous Vehicles
Internet of Things
Mobile
Internet

VELOCITY OF CHANGE
Steam Engine
Combustion Engine + Electricity
Telephone + Television

TIME

Life Expectancy
1750: 37
1850: 40
1950: 69
2050: 90+

Lifetimes
Paradigm Shifts

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