



CALIFORNIA COMMUNITY COLLEGES  
CHANCELLOR'S OFFICE



CALIFORNIA COMMUNITY COLLEGES

**Doing What MATTERS™**

FOR JOBS AND THE ECONOMY

WEDPAC/EDPAC  
04.28.14



# Regionalizing CTE Enhancement Funds

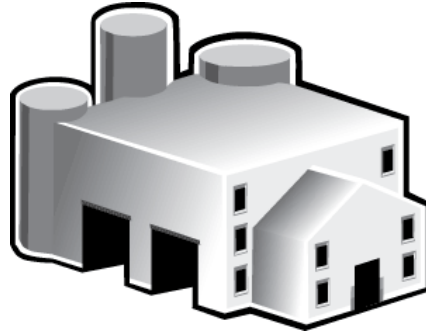
Steve Glyer, Chair  
LA/OC Macro Region

\* SF/San Mateo, East Bay, Silicon Valley, North Bay, Santa Cruz/Monterey



# LA/OC Case Study: Advanced Manufacturing Labor Market

25,000



In LA & Orange County

470,000



Workers in LA County

45,000



Oct. 2012 – Jan 2013  
3 MONTHS.....

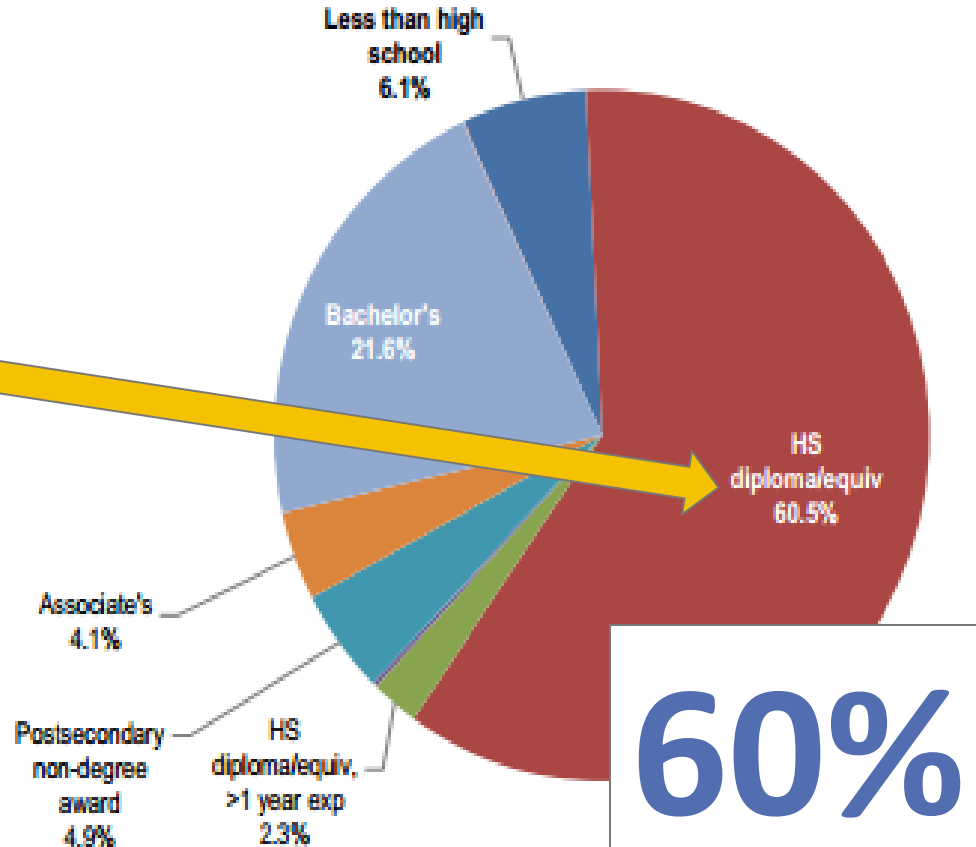


## Industry Demand

NO  
SKILLS

What we  
currently  
have:

### *Entry Level Education and Experience*



60%

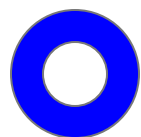
*LA County Advanced Manufacturing*



Economic and Policy Analysis Group



# 9 of 18 colleges

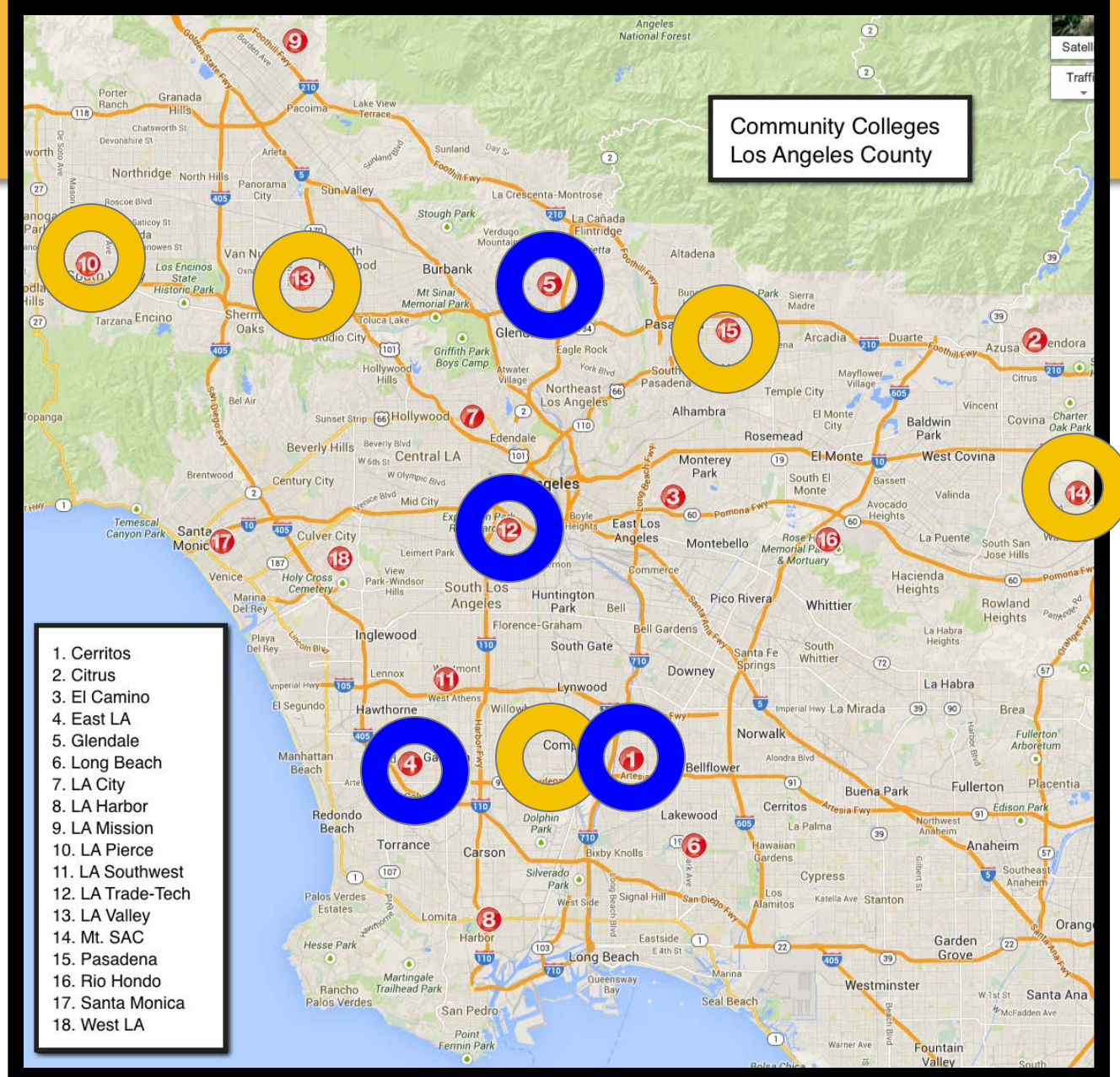


Well  
Equipped



Needs  
Investment

1. Cerritos
2. Citrus
3. El Camino
4. East LA
5. Glendale
6. Long Beach
7. LA City
8. LA Harbor
9. LA Mission
10. LA Pierce
11. LA Southwest
12. LA Trade-Tech
13. LA Valley
14. Mt. SAC
15. Pasadena
16. Rio Hondo
17. Santa Monica
18. West LA





# Student Success

## Traditional

## Accelerated

Senior  
\$70,000

CNC

9 yrs. +

Intermediate  
\$35,000

CNC

2 yrs. – 9 yrs.

Entry  
\$25,000

Operator

6 mo. – 2 yrs.

3 – 5 yrs.

CNC

CNC

18 mo. – 3 yrs.

Operator

6 mo. – 18 mo.





# Third Party Industry Certification – Gold Standard



NIMS

National Institute of  
Metal Working Skills

<b>Machining Level I</b> <i>Designed to meet entry-level requirements for on-the-job skills</i>	Measurement, Materials & Safety Job Planning, Benchwork & Layout Manual Milling Skills I Turning Operations: Turning Between Centers Turning Operations: Turning Chucking Skills Grinding Skills I Drill Press Skills I CNC Turning: Programming Setup & Operations CNC Milling: Programming Setup & Operations CNC Turning: Operations CNC Milling: Operations
<b>Machining Level II</b> <i>Designed to meet journey-level requirements for on-the-job skills</i>	Manual Milling Skills II Turning II (manual) Drill Press Skills II Grinding Skills II CNC Milling Skills II CNC Turning Skills II EDM — Wire EDM — Plunge
<b>Machining Level III</b> <i>Designed to meet master-level requirements for on-the-job skills</i>	CNC Turning Skills III CNC Milling Skills III



# Completion & Industry Credentials



Machine Tool  
Technology  
3 to 15 units  
NIMS Level 1

Machine Tool  
Technology  
15 to 20 units  
NIMS Level 1 & 2

Machine Tool  
Technology  
20 to 30 units  
NIMS Level 1, 2 & 3

***Multiple  
Certifications  
at exit***







# Sustainable Regional Approach

- Volume purchasing
- Modular-based curriculum
- Region-wide Professional Development
- Industry Involvement



# Budget (Projected)

- Capital Equipment Purchases
  - \$650,000
- Professional Development
  - \$95,000
- Module Development and NIMS Accreditation
  - \$125,000
- Program Management & Coordination
  - \$95,000