Career Technical Education & Workforce Development

SADDLEBACK COLLEGE

March 24, 2009
Career Technical Education (CTE) at Saddleback College

- Passions into paychecks
- Dreams into careers
- Not vocational education
- Preparing people for jobs
15 California State Industry Sectors

- Agriculture and Natural Resources
- Arts, Media and Entertainment
- Building Trades and Construction
- Education, Child Development and Family Services
- Energy and Utilities
- Engineering and Design
- Fashion and Interior Design
- Finance and Business
- Health Science and Medical Technology
- Hospitality, Tourism and Recreation
- Information Technology
- Manufacturing and Product Development
- Marketing, Sales and Services
- Public Services
- Transportation
American Recovery and Reinvestment Act 2009

Three-Year Trend in California and U.S. Unemployment Rates
January 2009; Seasonally Adjusted Data
Orange County by Cluster Employment 2007

Employment

Industry

- Transportation
- Energy and Environment and Green
- Information Technology
- Biotechnology
- Construction
- Logistics and Transportation
- Advanced Manufacturing
- Business and Professional Services
- Healthcare
- Finance
- Hotels and Restaurants
- Management and Administration
- Tourism
- Manufacturing
Top 5 **Most** Marketable 4 year College Degrees of 2009

- Nursing
- Computer/Information Science
- Engineering
- Economics
- Education

Top 5 **Least** Marketable 4 year College Degrees of 2009

- Print Journalism
- Advertising
- Architecture
- Real Estate
- Film Studies (not cinema technicians, i.e. camera operators, etc.)
Top 10 Industries in Orange County By Percentage Job Growth 2004-2014

- Amusement, Gambling, and Recreation
- Nursing and Residential Care Facilities
- Clothing and Clothing Accessories Stores
- Wholesale Electronic Markets and Agents and Brokers
- Food Services and Drinking Places
- Building Material and Garden Equipment and Supplies Dealers
- Administrative and Support Services
- Waste Management and Remediation
- Specialty Trade Contractors
- Motor Vehicle and Parts Dealers
Economic Development

“Creation of new employees or promotion of existing employees, that increase the tax base in a given region.”

Saddleback College has developed an Entrepreneurial Business Certificate program offered at ATEP.
Saddleback College CTE Growth

235 AS and AA Degrees, Certificates of Achievement and Occupational Skills Awards

FTES

Student Count

AS = 19
AA = 68
CA = 75
OSA = 19
Expansion of CTE Programs at Saddleback College

- Nursing
- Environmental Technologies
- Rapid Digital Manufacturing (part of Rapid Tech Center)
- Leadership in Energy and Environmental Design (LEED) Green Building Rating System
- Aquarium and Aquaculture Science
- Cinema Technology (sound, camera, multimedia, animation, games)
- Cosmetology
- Culinary Arts
- Child Development and Educational Studies
Certificate Program Status Report
March 24, 2009
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Irvine Valley College

**Existing Programs & Certificates**

- IVC is relatively new to developing CTE programs
- 32 existing certificates, including programs in:
  - Administration of Justice
  - Business Management & Accounting
  - Computer Information Management
  - Digital Media Arts
  - Child Development
  - Physical Education and Health Science
17 New Certificates Under Development

- Addressing critical needs
  - Employers, employees, & students
  - Fast-track, low-unit certificates
  - Creating “Career Pathway” steps
- IVC Academic Senate Curriculum Committee
  - Serving IVC & ATEP
  - Streamlining process
  - Focusing on integrity and nimbleness
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Irvine Valley College

- *Business, Computing, & Administration of Justice:*
  - Business Accounting
  - Financial Accounting
  - Managerial Accounting
  - Payroll Accounting
  - Computerized Accounting
  - Tax Accounting
  - Computer Forensics
  - Paralegal
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Health Science, Natural Resources, and Engineering & Design:

- Fitness Specialist
- Physical Therapy Assistant
- Soil Ecology Technician
- Design Model Making
- Electrical Technology
- Oil & Gas Piping Design
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IRVINE VALLEY COLLEGE

- Arts, Media, & Entertainment:
  - Fine Arts Collections & Exhibition Assistant
  - Dance Technique
  - Technical Theatre
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Summary

- Repackaging programs to get people back to work
- New opportunities
  - The IVC Fit
  - The ATEP Fit
- Grant sources
  - Perkins IV
  - American Recovery and Reinvestment Act
Advanced Technology & Education Park

ATEP

Current Programs
- Photonics/Lasers
- Precision Optics
- Center for Applied Competitive Technologies (CACT)
- Design Model Making & Prototyping (DMP)
- Entrepreneurship Institute (Business)
- Workforce Development
Expanded/New Programs

Support IVC/SC Program Growth:
- Nursing (Regional SIM Lab)
- Medical Lab Technician
- Rapid Digital Manufacturing
- Environmental/Energy
- LEED Green Building Related
- Biotechnology/Nanotechnology
- Homeland Security
- Cosmetology
- Culinary Arts
- Entertainment Arts – Technical Positions in Film, TV, Radio and Music Recording
Career Technical Education & Workforce Development

ATEP

Program Development

- Research best practices nationwide
- Visit colleges and programs that may be used as models
- Use data and research conducted by industry experts to drive decisions about new programs
- Work with faculty at SC/IVC to develop curriculum
Use Programs to:
- Research and capture categorical funding
- Establish new business and industry partners
- Increase visibility in county, state and nationwide
- Attract new students
- Strengthen economy