Career Education Programs, Pathways & Employers Map

LMID Advisory
November 04, 2021

Alliance for Education

C·O·E
CENTERS OF EXCELLENCE FOR LABOR MARKET RESEARCH

Inland Empire/Desert Region

- 27,408 sq. miles
- 4.68 million residents
- 1.71 million jobs

- 12 community colleges
- 56 School Districts (K-12)
- 42 High School Districts

Career Education
Program, Pathway & Employment Map

Goal:

Are K-12 and Community College career ed. programs aligned with employer demand?

Round 1:

-Inventory all career ed. C.C. programs and K-12 pathways

-Map employers by business size

Map Partners

Centers of Excellence

For Labor Market Research

San Bernardino County Superintendent of Schools
Alliance for Education

K-12 Pathway Coordinators

Audiences

Community Colleges and K-12

- Leadership
- Faculty
- Counselors

Economic & Workforce Development

Employers

Students (future)

History and Past Iterations

- Challenges – accurate inventory of all career education programs
  - Taxonomy of Programs and Local Program titles
  - K-12 Pathways available at High Schools

Thank you, LMID!

https://bit.ly/IECareerMap

Inland Empire/Desert Region Career Education Programs, Pathways & Employers

Riverside & San Bernardino Counties

- ~75K Business locations
- Current Career Education Program and Pathway Inventory for C.C.s, H.S.s, and ROPs
- Labor Market Data and Reports by Sector

- Community College Programs
- K12 Pathways
- Employer Locations
- Labor Market Data

Sectors are named by:
CDE Sector Name | ***Community College Sector Name***

Agriculture and Natural Resources | ***Agriculture, Water, and Environmental Technologies***

Arts, Media, and Entertainment | ***Information and Communication Technology- Digital Media***

Building and Construction Trades | ***Energy, Construction, and Utilities***

Business and Finance | ***Business and Entrepreneurship***

Education, Child Development, and Family Services | ***Education and Human Development***

Energy, Environment, and Utilities | ***Energy, Construction, and Utilities***

Engineering and Architecture | ***Energy, Construction, and Utilities***

Fashion and Interior Design | ***Retail, Hospitality, and Tourism***

Health Science and Medical Technology | ***Health***

Hospitality, Tourism, and Recreation | ***Retail, Hospitality, and Tourism***

Information and Communication Technologies | ***Information and Communication Technologies- Digital Media***

Manufacturing and Product Development | ***Advanced Manufacturing***

Marketing, Sales, and Services | ***Business and Entrepreneurship***

Public Services | ***Public Safety***

Transportation | ***Advanced Transportation and Logistics***

Information & Communication Technologies

Community College Sector:
Information & Communication Technologies - Digital Media

Career Education Programs, Pathways & Employers

Community College Enrollment

12 Colleges

Enrollment **18,084***

*Totals from Datamart for 2018-2019

High School Pathway Enrollment

73 High Schools

Enrollment **6,108***

*Totals from CA CDE DataQuest for 2018-2019

Community College Programs

cyber

College	TOP Title	Local Program Title	Award
Barstow	Computer Information Sys...	Computer and Cyber Security Speciali...	Certificate
Chaffey	Computer Infrastructure a...	Cyber Security Analyst	Certificate
Chaffey	Computer Infrastructure a...	Cyber Security Defender	Certificate
Chaffey	Computer Infrastructure a...	Cyber Security Professional	Associate Degre
Crafton Hills	Computer Infrastructure a...	Cybersecurity Specialist	Certificate
Moreno Valley	Computer Infrastructure a...	IT Technician Pathway: Cyber Security ...	Certificate
Mt. San Jacinto		Cybersecurity Employment Concentra...	Certificate
Riverside City	Computer Networking	Information Security and Cyber Defense	Certificate

High School Pathways

Search

District	School	Pathway
Apple Valley	Apple Valley High	174 - Software and Systems Develop...
Fontana	Birch High	170 - Information Support and Servi...
Baldy View	Baldy View ROP	172 - Networking
Baldy View	Baldy View ROP	174 - Software and Systems Develop...
Fontana	Citrus High	170 - Information Support and Servi...
Fontana	AB Miller High	172 - Networking
Banning	Banning High	170 - Information Support and Servi...
Barstow	Barstow High	172 - Networking

Regional Annual Job Openings and Hourly Earnings by Education-level

Definitions for this section are available at this link: Definitions and Resources

Current Inland Empire Labor Market Reports

Centers of Excellence labor market reports are designed to guide career education program development at the community colleges. These reports contain current employment demand, earnings, and programmatic supply in the region.

Community College reports requested in the last two years.

Information and Communications Technologies : Labor Market Reports

Information and Communications Technologies		
Report Title	**Date**	**Link to the Report**
Applications and Information Systems	3/22/2021	http://coeccc.net/reports/Applications_and_Information_Systems
IT Project Management	2/28/2021	http://coeccc.net/reports/IT_Project_Management_1
Cloud and Internet of Things Administration and Support	1/29/2021	http://coeccc.net/reports/Cloud_and_Internet_of_Things_Administration_and_Support
Computer Data Science	1/26/2021	http://coeccc.net/reports/Computer_Data_Science
Computer Networking	11/30/2020	http://coeccc.net/reports/Computer_Networking_3
Cybersecurity	9/11/2020	http://coeccc.net/reports/Cybersecurity_3
Computer Hardware Technician	7/1/2020	http://coeccc.net/reports/Computer_Hardware_Technician
Computer Programming	12/19/2019	http://coeccc.net/reports/Computer_Programming_3

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DEFINITIONS

EDUCATION LEVELS

1. **Bachelor's Degree:** Occupations that are typically trained by a four-year university.
2. **Community College:** Occupations that require more education than a high school diploma but less than a bachelor's degree.
3. **High School Diploma:** Occupations that require a high school diploma or equivalent; a GED for example.

LABOR MARKET INFORMATION

1. **Annual Job Openings:** A combination of projected new jobs and replacement job openings expected annually.
2. **Average Annual Earnings:** Mean average pre-tax annual earnings reported by employers. Assumes full time work or 2,080 hours worked in a calendar year. Includes commission and tips, but not bonuses, holiday premium pay, or overtime.

RESOURCES

COMMUNITY COLLEGE

- Centers of Excellence
- Chancellor's Office Curriculum Inventory (COCI)
- Chancellor's Office Management Information System (COMIS) Data Mart
- Community Colleges to K12 Industry Sector Crosswalk

K12

- CA CTE Model Curriculum Standards
- CTE Incentive Grant (CTEIG)
- K12 Strong Workforce Program (SWP)
- Riverside County CTE Enrollment
- San Bernardino County CTE Enrollment

INLAND REGION

- Growing Inland Achievement (GIA) Community College Data
- Inland Empire Desert Regional Consortium (IEDRC)
- O*Net

Key Findings

Relatively few **EEU** Programs

- About 900 annual job openings
- HS: $23.09/hr median
- CC: $33.55/hr median
- BS: $43.17/hr median

Community College Enrollment

5 Colleges

Enrollment **3,229***

*Totals from Datamart for 2018-2019

High School Pathway Enrollment

5 High Schools

Enrollment **400***

*Totals from CA CDE DataQuest for 2018-2019

Community College Enrollment

11 Colleges

Enrollment **10,660***

*Totals from Datamart for 2018-2019

High School Pathway Enrollment

101 High Schools

Enrollment **25,562***

*Totals from CA CDE DataQuest for 2018-2019

An abundance of **AME** programs

- About 1,200 annual job opening
- CC: $24.04/hr median
- BA: $25.14/hr median

Future Development

Incorporate Feedback from the Field

Career Ed. Inventories Updates & New Partners

New Partners

Labor Market & Business List Updates

Subregion and District Boundaries

Questions?

Thank You!

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