



## Labor Market Analysis: 2105.00 – Administration of Justice

### 11.0102 – Artificial Intelligence

#### Foundations of Cyber Investigations

Certificate requiring 6 to <18 semester units

Los Angeles Center of Excellence, April 2026

Program Endorsement:	Endorsed: All Criteria Met <input type="checkbox"/>	Endorsed: Some Criteria Met <input checked="" type="checkbox"/>	Not Endorsed <input type="checkbox"/>
<b>Program Endorsement Criteria</b>			
<b>Supply Gap:</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/> (Supply met; see comments below)	
<b>Living Wage: (Entry-Level, 25<sup>th</sup>)</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Education:</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Emerging Occupation(s)</b>			
	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

## SUMMARY

This report analyzes whether local labor market demand is being met by community college programs aligned with the identified middle-skill occupations<sup>1</sup> or whether a shortage of workers exists. Labor market demand is measured by annual job openings while education supply is measured by the number of awards (degrees and certificates) conferred on average each year.

Based on the available data, there does not appear to be a supply gap for the occupations of interest. However, the talent oversupply is within the COE’s acceptable margin (the number of awards issued is 25% over or under the number of annual openings) and is therefore considered “supply met” rather than a “supply gap.” While this program does not meet the traditional supply/demand endorsement criteria, there may be demand for these workers from local employers that is not reflected in traditional labor market data. For this reason, real-time labor market data is included in this report as well – to provide a more nuanced view of the regional job market for these middle-skill administration of justice occupations. Furthermore, entry-level wages exceed the self-sufficiency standard wage in both Los Angeles and Orange counties, and more than one-third of current workers in the field have completed some college or an associate degree.

<sup>1</sup> Middle-skill occupations typically require some postsecondary education, but less than a bachelor’s degree. The COE classifies middle-skill jobs as the following:

- All occupations that require an educational requirement of some college, associate degree or apprenticeship;
- All occupations that require a bachelor’s degree, but also have more than one-third of their existing labor force with an educational attainment of some college or associate degree; or
- All occupations that require a high school diploma or equivalent or no formal education, but also require short- to long-term on-the-job training where multiple community colleges have existing programs.

**Recommendation:** Due to two of three program endorsement criteria being met, the Los Angeles Center of Excellence for Labor Market Research (LA COE) endorses this proposed program.

## Key Findings

### Supply Gap

- 2,867 annual job openings are projected in the region through 2029. This number is less than the three-year average of 3,170 awards conferred by educational institutions in the region.
  - Although there are more awards conferred than job openings, the data suggests that the **demand has been met for these occupations within the LA/OC region** since the three-year average number of awards (supply) is within the COE's 25% margin of annual job openings (demand).
  - Over the past 12 months, there were **1,519 online job postings related to these target occupations**. The highest number of job postings were for lateral police officers, police officers, and police recruits.

### Living Wage

- All three occupations have entry-level wages **above** Los Angeles County's self-sufficiency standard hourly wage (\$24.03/hour).<sup>2</sup>

### Educational Attainment

- A high school diploma or equivalent is the typical entry-level education for the target occupations, according to the Bureau of Labor Statistics (BLS).
- 30%-46% of workers in the field have completed some college or an associate degree, according to national educational attainment data.

### Community college supply

- 25 community colleges issued awards related to administration of justice in the greater LA/OC region.
- 3,161 awards (degrees and certificates) were conferred on average each year between 2023 and 2025.

### Other postsecondary supply

- 2 educational institutions in the LA/OC region have conferred sub-baccalaureate awards in programs related to administration of justice over the past three years.
- 9 awards were conferred on average each year by other postsecondary institutions throughout the greater LA/OC region between 2022 and 2024.

## TARGET OCCUPATIONS

LA COE prepared this report to provide regional labor market and postsecondary supply data related to five middle-skill and emerging occupations. [For full occupation descriptions, please see Appendix.](#)

---

<sup>2</sup> Center for Women's Welfare, University of Washington. (2024). *The self-sufficiency standard for California 2024*. <http://selfsufficiencystandard.org/California>.

- *Digital Forensics Analysts (15-1299.06)*<sup>3</sup>
- *First-Line Supervisors of Police and Detectives (33-1012)*<sup>4</sup>
- *Detectives and Criminal Investigators (33-3021)*<sup>5</sup>
- *Intelligence Analysts (33-3021.06)*<sup>6</sup>
- *Police and Sheriff's Patrol Officers (33-3051)*<sup>7</sup>

## OCCUPATIONAL DEMAND

Exhibit 1 shows the five-year occupational demand projections for these middle-skill administration of justice occupations. In the greater Los Angeles/Orange County region, the number of jobs related to these occupations is projected to increase by 5% through 2029. There will be nearly 2,900 job openings per year through 2029 due to job growth and replacements. The majority of jobs in 2024 for these middle-skill administration of justice occupations (82%) were located in Los Angeles County.

**Exhibit 1: Current employment and occupational demand, Los Angeles and Orange counties<sup>8</sup>**

Geography	2024 Jobs	2029 Jobs	2024-2029 Change	2024-2029 % Change	Annual Openings
Los Angeles	27,979	29,265	1,286	5%	2,331
Orange	6,252	6,605	353	6%	536
<b>Total</b>	<b>34,231</b>	<b>35,870</b>	<b>1,639</b>	<b>5%</b>	<b>2,867</b>

## Detailed Occupation Data

Exhibit 2 displays the current employment and projected occupational demand for each of the target occupations in Los Angeles County. The average percentage of workers aged 55+ across all occupations in the Los Angeles/Orange County region is 26%; occupations with a larger share of workers aged 55 and older typically have greater replacement needs to offset the amount of impending retirements. On average, 81% of workers across all occupations in California are employed full-time.

**Exhibit 2: Detailed employment and occupational demand, Los Angeles County<sup>9</sup>**

Occupation	2024 Jobs	2029 Jobs	5-Yr % Change	Annual Openings	% Aged 55 and older	% Full Time Workers
First-Line Supervisors of Police and Detectives	4,175	4,379	5%	315	17%	100%

<sup>3</sup> [Digital Forensics Analysts \(ononline.org\)](https://ononline.org)

<sup>4</sup> [Police and Detectives \(bls.gov\)](https://bls.gov)

<sup>5</sup> [Ibid.](#)

<sup>6</sup> [Intelligence Analysts \(ononline.org\)](https://ononline.org)

<sup>7</sup> [Police and Detectives \(bls.gov\)](https://bls.gov)

<sup>8</sup> Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

<sup>9</sup> Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Occupation	2024 Jobs	2029 Jobs	5-Yr % Change	Annual Openings	% Aged 55 and older	% Full Time Workers
Detectives and Criminal Investigators	2,679	2,787	4%	218	14%	85%
Police and Sheriff's Patrol Officers	21,125	22,100	5%	1,797	10%	100%
<b>Total</b>	<b>27,979</b>	<b>29,265</b>	<b>5%</b>	<b>2,331</b>	<b>-</b>	<b>-</b>

## WAGES

The labor market endorsement in this report considers the entry-level hourly wages for these middle-skill administration of justice occupations in Los Angeles County as they relate to the county's self-sufficiency standard wage. Orange County wages are included below in order to provide a complete analysis of the greater Los Angeles/Orange County region.

### Los Angeles County

All three occupations have entry-level wages above the self-sufficiency standard wage for one adult (\$24.03 in Los Angeles County). Typical entry-level hourly wages are in a range between \$47.66 and \$76.90. (Exhibit 3). Experienced workers can expect to earn wages between \$61.37 and \$93.91, which are higher than the self-sufficiency standard.

#### Exhibit 3: Earnings for occupations in Los Angeles County

Occupation	Entry-Level Hourly Earnings (25 <sup>th</sup> Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75 <sup>th</sup> Percentile)	Median Annual Earnings*
First-Line Supervisors of Police and Detectives	\$76.90	\$83.00	\$93.91	\$172,600
Detectives and Criminal Investigators	\$48.90	\$62.51	\$73.96	\$130,000
Police and Sheriff's Patrol Officers	\$47.66	\$56.55	\$61.37	\$117,600

\*Rounded to the nearest \$100

### Orange County

All three occupations have entry-level wages above the self-sufficiency standard wage for one adult (\$27.13 in Orange County). Typical entry-level hourly wages are in a range between \$43.08 and \$69.47 (Exhibit 4). Experienced workers can expect to earn wages between \$55.50 and \$84.86, which are higher than the self-sufficiency standard.

#### Exhibit 4: Earnings for occupations in Orange County

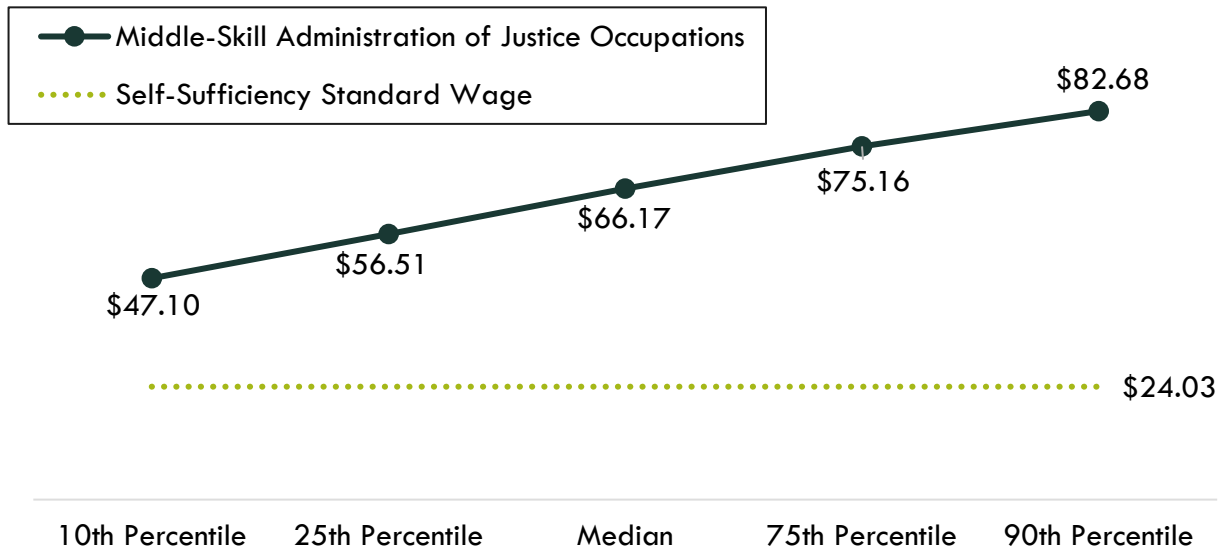
Occupation	Entry-Level Hourly Earnings (25 <sup>th</sup> Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75 <sup>th</sup> Percentile)	Median Annual Earnings*
First-Line Supervisors of Police and Detectives	\$69.47	\$75.01	\$84.86	\$156,000

Occupation	Entry-Level Hourly Earnings (25 <sup>th</sup> Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75 <sup>th</sup> Percentile)	Median Annual Earnings*
Detectives and Criminal Investigators	\$44.62	\$57.04	\$67.49	\$118,600
Police and Sheriff's Patrol Officers	\$43.08	\$51.13	\$55.50	\$106,300

\*Rounded to the nearest \$100

Across the greater Los Angeles and Orange County region, the average entry-level hourly earnings for the occupations in this report are \$56.51; this is above the living wage for one single adult in Los Angeles County (\$24.03). Exhibit 5 shows the average hourly wage for the occupations in this report, for entry-level to experienced workers.

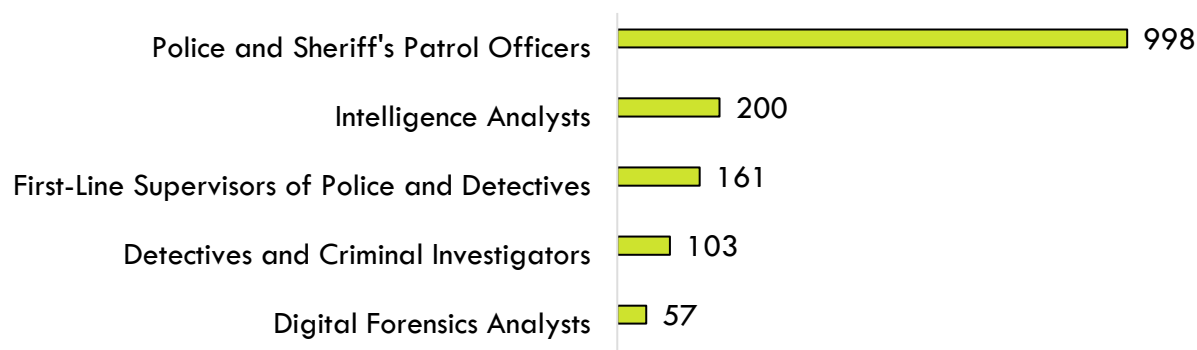
**Exhibit 5: Average hourly earnings for target occupations, Los Angeles and Orange counties**



## JOB POSTINGS

There were 1,519 online job postings related to these targets middle-skill administration of justice occupations listed in the past 12 months in Los Angeles and Orange counties. Exhibit 6 displays the number of job postings by occupation. The majority of job postings (66%) were for *police and sheriff's patrol officers*, followed by *intelligence analysts* (13%) and *first-line supervisors of police and detectives* (11%).

### Exhibit 6: Job postings by occupation (last 12 months), Los Angeles and Orange counties



Job postings were analyzed for the most common job titles, skills, and employers associated with the target occupations in this report (Exhibit 7).

### Exhibit 7: Most commonly requested job titles, skills and employers in job postings, Los Angeles and Orange counties

Top Job Titles	Top Skills	Top Employers
<ul style="list-style-type: none"> <li>• Lateral police officers</li> <li>• Police officers</li> <li>• Police recruits</li> <li>• Police services officers</li> <li>• Police academy instructors</li> <li>• Marine interdiction agents</li> <li>• Federal police officers</li> </ul>	<ul style="list-style-type: none"> <li>• Law enforcement</li> <li>• Crime prevention</li> <li>• First aid</li> <li>• Good driving record</li> <li>• Law enforcement practices</li> <li>• Physical fitness</li> <li>• Traffic control</li> <li>• Self defense</li> </ul>	<ul style="list-style-type: none"> <li>• Association of Former Agents of The United States Secret Service</li> <li>• United States Department of Homeland Security</li> <li>• Federal Bureau of Investigation</li> <li>• State of California</li> </ul>

In the greater Los Angeles/Orange County region, 69% of the target job postings listed a minimum educational requirement. Exhibit 8 details the number and percentage of job postings by educational level.

### Exhibit 8: Education levels requested in job postings for target occupations, Los Angeles and Orange counties

Education Level	Job Postings	% of Job Postings
Bachelor's degree	333	32%
Associate degree	74	7%
High school diploma or vocational training	635	61%

## EDUCATIONAL ATTAINMENT

The Bureau of Labor Statistics (BLS) lists a high school diploma or equivalent as the typical entry-level education for the target occupations (Exhibit 9). However, the national-level data indicates between 30% and 46% of workers in the field have completed some college or an associate degree as their highest level of educational attainment. The Bureau of Labor Statistics (BLS) lists the following typical entry-level education levels for the occupations in this report:

**Exhibit 9: Entry-level education preferred by employers nationally, Bureau of Labor Statistics**

Occupation	Education Level
First-Line Supervisors of Police and Detectives	High school diploma or equivalent
Detectives and Criminal Investigators	High school diploma or equivalent
Police and Sheriff's Patrol Officers	High school diploma or equivalent

## EDUCATIONAL SUPPLY

### Community College Supply

Exhibit 10 shows the annual and three-year average number of awards conferred by community colleges in programs that have historically trained for the occupations of interest. The colleges with the most completions in the region are East LA, Santa Ana, and Rio Hondo.

**Exhibit 10: Regional community college awards (certificates and degrees), 2023-2025**

TOP Code	Program	College	2022-23 Awards	2023-24 Awards	2024-25 Awards	3-Year Average
2105.00	Administration of Justice	Cerritos	94	95	78	89
		Citrus	143	143	156	147
		Compton	32	42	28	34
		East LA	330	305	404	346
		El Camino	78	86	68	77
		Glendale	28	25	18	24
		LA City	39	36	36	37
		LA Harbor	30	41	30	34
		LA Mission	44	42	36	41
		LA Pierce	74	83	59	72
		LA Southwest	30	28	18	25
		LA Trade-Tech	11	19	13	14
		LA Valley	36	39	40	38
		Long Beach	152	132	156	147
		Mt San Antonio	75	78	92	82
Pasadena	62	68	79	70		
Rio Hondo	155	152	147	151		

TOP Code	Program	College	2022-23 Awards	2023-24 Awards	2024-25 Awards	3-Year Average
		Santa Monica	44	60	53	52
		West LA	51	34	37	41
		<b>LA Subtotal</b>	<b>1,508</b>	<b>1,508</b>	<b>1,548</b>	<b>1,521</b>
		Coastline	13	2	-	5
		Cypress	61	56	50	56
		Fullerton	109	105	120	111
		Golden West	154	171	135	153
		Irvine	49	36	59	48
		Santa Ana	83	86	88	86
		<b>OC Subtotal</b>	<b>469</b>	<b>456</b>	<b>452</b>	<b>459</b>
<b>Supply Subtotal/Average</b>			<b>1,977</b>	<b>1,964</b>	<b>2,000</b>	<b>1,980</b>
2105.40	Forensics, Evidence, and Investigation	East LA	75	70	105	83
		El Camino	4	8	3	5
		Long Beach	15	22	20	19
		Rio Hondo	14	17	33	21
		<b>LA Subtotal</b>	<b>108</b>	<b>117</b>	<b>161</b>	<b>129</b>
		Fullerton	9	-	10	6
		<b>OC Subtotal</b>	<b>9</b>	<b>-</b>	<b>10</b>	<b>6</b>
<b>Supply Subtotal/Average</b>			<b>876</b>	<b>1,149</b>	<b>1,112</b>	<b>1,046</b>
2105.50	Police Academy	East LA	270	290	523	361
		Rio Hondo	146	50	247	148
		<b>LA Subtotal</b>	<b>416</b>	<b>340</b>	<b>770</b>	<b>509</b>
		Golden West	7	62	28	32
		Santa Ana	453	747	314	505
		<b>OC Subtotal</b>	<b>460</b>	<b>809</b>	<b>342</b>	<b>537</b>
<b>Supply Subtotal/Average</b>			<b>117</b>	<b>117</b>	<b>171</b>	<b>135</b>
<b>Supply Total/Average</b>			<b>2,970</b>	<b>3,230</b>	<b>3,283</b>	<b>3,161</b>

Exhibit 11 displays the community college awards broken down by award type. In this case, the majority of awards issued by community colleges are associate degrees (53%).

**Exhibit 11: Community college awards by award type, 2023-2025**

Award Type	# of Awards	% of Awards
A.A./A.A.-T/A.S./A.S.-T degrees	1,687	53%
Certificates	1,474	47%
<b>Total</b>	<b>3,161</b>	<b>100%</b>

## Other Postsecondary Supply

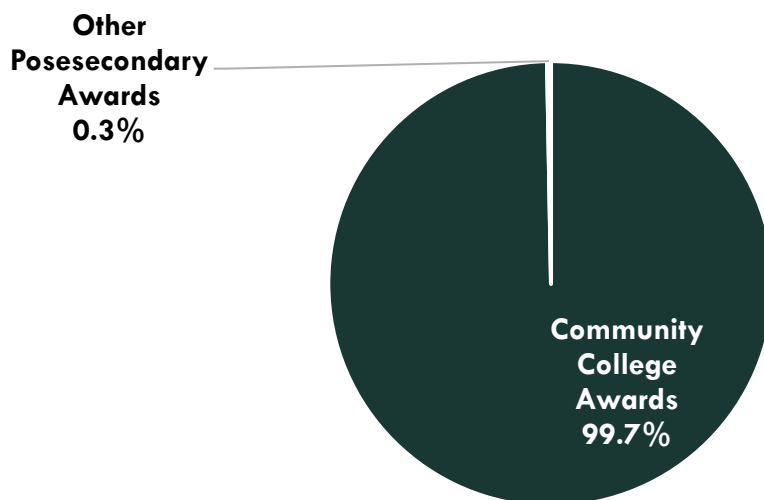
For a comprehensive regional supply analysis, it is important to consider the supply from other institutions in the region that provide training programs for administration of justice. Exhibit 12 shows the number of awards conferred by these institutions in relevant programs. Due to different data collection periods, the most recent data is from 2022 to 2024. Between 2022 and 2024, other postsecondary college institutions in the region conferred an average of 9 sub-baccalaureate awards. Sub-baccalaureate awards include associate degrees, postsecondary awards, and other academic awards that typically take fewer than four years to complete.

**Exhibit 12: Other regional postsecondary awards, 2022-2024**

CIP Code	Program	Postsecondary Institution	2021-22 Awards	2022-23 Awards	2023-24 Awards	3-Year Average
43.0104	Criminal Justice/Safety Studies	Platt College-Anaheim	6	6	4	5
		Platt College-LA	4	2	6	4
<b>Supply Total/Average</b>			<b>10</b>	<b>8</b>	<b>10</b>	<b>9</b>

Exhibit 13 shows the proportion of community college awards conferred in the greater Los Angeles/Orange County region compared to the number of other postsecondary awards for the programs in this report. The majority of awards conferred in these programs are awarded by community colleges in the greater Los Angeles/Orange County region.

**Exhibit 13: Percentage of community college awards compared to other postsecondary institution awards in the Los Angeles/Orange County region**



## APPENDIX: OCCUPATION DESCRIPTIONS

LA COE prepared this report to provide regional labor market supply and demand data related to these target occupations:

- **Digital Forensics Analysts (15.1299.06)** Conduct investigations on computer-based crimes establishing documentary or physical evidence, such as digital media and logs associated with cyber intrusion incidents. Analyze digital evidence and investigate computer security incidents to derive information in support of system and network vulnerability mitigation. Preserve and present computer-related evidence in support of criminal, fraud, counterintelligence, or law enforcement investigations.<sup>10</sup>
- **First-Line Supervisors of Police and Detectives (33-1012)** Directly supervise and coordinate activities of members of police force.<sup>11</sup>
- **Detectives and Criminal Investigators (33-3021)** Conduct investigations related to suspected violations of federal, state, or local laws to prevent or solve crimes.<sup>12</sup>
- **Intelligence Analysts (33-3021.06)** Gather, analyze, or evaluate information from a variety of sources, such as law enforcement databases, surveillance, intelligence networks or geographic information systems. Use intelligence data to anticipate and prevent organized crime activities, such as terrorism.<sup>13</sup>
- **Police and Sheriff's Patrol Officers (33-3051)** Maintain order and protect life and property by enforcing local, tribal, state, or federal laws and ordinances. Perform a combination of the following duties: patrol a specific area; direct traffic; issue traffic summonses; investigate accidents; apprehend and arrest suspects, or serve legal processes of courts. Includes police officers working at educational institutions.<sup>14</sup>

---

<sup>10</sup> [Digital Forensics Analysts \(ononline.org\)](https://ononline.org)

<sup>11</sup> [Police and Detectives \(bls.gov\)](https://bls.gov)

<sup>12</sup> [ibid.](#)

<sup>13</sup> [Intelligence Analysts \(ononline.org\)](https://ononline.org)

<sup>14</sup> [Police and Detectives \(bls.gov\)](https://bls.gov)

**Contact information:**

Luke Meyer, Director

Los Angeles Center of Excellence

[Lmeyer7@mtsac.edu](mailto:Lmeyer7@mtsac.edu)

*If for any reason this document is not accessible or if you have specific needs for readability, please contact us and we will do our utmost to accommodate you with a modified version.*



POWERED BY

**DATA SOURCES**

- O\*NET Online
- Lightcast (formerly Emsi)
- Bureau of Labor Statistics (BLS)
- California Employment Development Department, Labor Market Information Division, OES
- California Community Colleges Chancellor's Office Management Information Systems (MIS)
- Self-Sufficiency Standard at the Center for Women's Welfare, University of Washington
- Chancellor's Office Curriculum Inventory (COCI 2.0)

Important Disclaimer: All representations included in this report have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. Efforts have been made to qualify and validate the accuracy of the data and the reported findings; however, neither the Centers of Excellence, COE host District, nor California Community Colleges Chancellor's Office are responsible for applications or decisions made by recipient community colleges or their representatives based upon components or recommendations contained in this study.

© 2026 California Community Colleges Chancellor's Office,  
Centers of Excellence for Labor Market Research, Economic and Workforce Development Program