



## Law Enforcement Technology (TOP: 2105.00 Administration of Justice)

February 2021

Prepared by the South Central Coast Center of Excellence for  
Labor Market Research

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### Program Recommendation - South Central Coast Region and Los Angeles County

This report was compiled by the South Central Coast<sup>1</sup> Center of Excellence to provide labor market data for the program recommendation – Administration of Justice. This report can help determine whether there is demand in the local labor market that is not being met by the supply from programs of study (CCC and non-CCC) that align with this occupation group.

#### Key Findings

- In the South Central Coast Region and Los Angeles County, the number of jobs related to Administration of Justice are expected to **increase or remain steady** for all nine aligned occupations.
- Administration of Justice is anticipated to experience a **high risk of automation** for Security Guards, **medium** risk for Bailiffs, and a **low** risk of automation for the other seven occupations included in this analysis.
- In 2019 there were 4,728 completions in the South Central Coast Region and Los Angeles County in programs related to the occupations identified as aligned with Administration of Justice and 10,371 openings, indicating an **undersupply**.
- Typical entry-level education is a **high school diploma or equivalent** for all nine related occupations, with no on-the-job training for First-Line Supervisors of Correctional Officers, short-term for Security Guards and Public Safety Telecommunicators, and moderate-term training for the other six occupations. Note: Education and Training Requirements can be Agency Specific. Many agencies are requiring college credits or degrees for promotional opportunities.
- Completers from South Central Coast Region and Los Angeles County Administration of Justice programs, from the 2017-2018 academic year, had a **median annual wage upon completion of \$47,014**.
- 54% of students are **employed within a year** of completing a program.
- 56% of students **attained a living wage** within a year of completion.
- +28% **change in earnings** for completers.
- 73% of students were **part time**, 20% **skill builders**, 27% **first-generation**, and 69% **economically disadvantaged**.

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<sup>1</sup> The South Central Coast Region consists of San Luis Obispo County, Santa Barbara County, Ventura County, and the following cities from North Los Angeles County: Canyon Country, Castaic, Lake Hughes, Lancaster, Littlerock, Llano, Newhall, Palmdale, Pearblossom, Santa Clarita, Stevenson Ranch, and Valencia.

## Occupation Codes and Descriptions

There are nine occupations in the standard occupational classification (SOC) system that were identified as related to Administration of Justice for this analysis. The occupation title and description, as well as reported job titles are included in Exhibit 1.

**Exhibit 1 – Occupation, description, and sample job titles**

<b>SOC Code</b>	<b>Title</b>	<b>Description</b>	<b>Sample of Reported Job Titles</b>
33-1011	<b>First-Line Supervisors of Correctional Officers</b>	Directly supervise and coordinate activities of correctional officers and jailers.	Correctional Officer Captain, Correctional Supervisor
33-1012	<b>First-Line Supervisors of Police and Detectives</b>	Directly supervise and coordinate activities of members of police force.	Police Captain, Police Chief, Shift Supervisor
33-3011	<b>Bailiffs</b>	Maintain order in courts of law.	Bailiff, Bailiff, Court Bailiff, Court Constable, Court Deputy, Court Officer, Court Security Officer, Deputy Bailiff, Deputy Court Services, Security Officer
33-3012	<b>Correctional Officers and Jailers</b>	Guard inmates in penal or rehabilitative institutions in accordance with established regulations and procedures. May guard prisoners in transit between jail, courtroom, prison, or other point. Includes deputy sheriffs and police who spend the majority of their time guarding prisoners in correctional institutions.	Correctional Officer, Correctional Sergeant, Corrections Officer (CO), Deputy Jailer, Detention Deputy, Detention Officer, Jail Officer, Jailer, Jailor
33-3021	<b>Detectives and Criminal Investigators</b>	Conduct investigations related to suspected violations of federal, state, or local laws to prevent or solve crimes.	--

<b>SOC Code</b>	<b>Title</b>	<b>Description</b>	<b>Sample of Reported Job Titles</b>
33-3051	<b>Police and Sheriff's Patrol Officers</b>	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.	--
33-9021	<b>Private Detectives and Investigators</b>	Gather, analyze, compile, and report information regarding individuals or organizations to clients, or detect occurrences of unlawful acts or infractions of rules in private establishment.	Asset Protection Detective, Field Investigator, Investigator, Loss Prevention Associate, Loss Prevention Investigator, Loss Prevention Officer, Private Investigator, Special Investigator
33-9032	<b>Security Guards</b>	Guard, patrol, or monitor premises to prevent theft, violence, or infractions of rules. May operate x-ray and metal detector equipment.	Campus Security Officer, Custom Protection Officer, Customer Service Security Officer, Hotel Security Officer, Loss Prevention Officer, Safety and Security Officer, Security Agent, Security Guard, Security Officer
45-5031	<b>Public Safety Telecommunicators</b>	Operate telephone, radio, or other communication systems to receive and communicate requests for emergency assistance at 9-1-1 public safety answering points and emergency operations centers. Take information from the public and other sources regarding crimes, threats, disturbances, acts of terrorism, fires, medical emergencies, and other public safety matters. May coordinate and provide information to law enforcement and emergency response personnel. May access sensitive databases and other information sources as needed. May provide additional instructions to callers based on knowledge of and certification in law enforcement, fire, or emergency medical procedures.	

Source: O\*NET Online

**Current and Future Employment**

In the South Central Coast Region and Los Angeles County, the number of jobs related to Administration of Justice are expected to increase or remain steady for all nine related occupations.

**Exhibit 2 – Five-year projections for Administration of Justice in the South Central Coast Region and Los Angeles County**

<b>SOC</b>	<b>Occupation</b>	<b>2019 Jobs</b>	<b>2024 Jobs</b>	<b>2019-2024 Change</b>	<b>2019-2024 % Change</b>
33-1011	<b>First-Line Supervisors of Correctional Officers</b>	533	540	7	1%
33-1012	<b>First-Line Supervisors of Police and Detectives</b>	1,933	2,044	111	6%
33-3011	<b>Bailiffs</b>	80	89	9	11%
33-3012	<b>Correctional Officers and Jailers</b>	3,634	3,823	189	5%
33-3021	<b>Detectives and Criminal Investigators</b>	3,492	3,609	117	3%
33-3051	<b>Police and Sheriff's Patrol Officers</b>	28,135	29,139	1,004	4%
33-9021	<b>Private Detectives and Investigators</b>	1,099	1,132	33	3%
33-9032	<b>Security Guards</b>	62,154	62,493	339	1%
45-5031	<b>Public Safety Telecommunicators</b>	1,523	1,605	82	5%

Source: Economic Modeling Specialists International (EMSI)

## Earnings

In the South Central Coast Region and Los Angeles County, the average wage for the listed occupations is \$18.36 per hour.

Exhibit 3 contains hourly wages and annual average earnings for these occupations. Entry-level hourly earnings are represented by the 25<sup>th</sup> percentile of wages, median hourly earnings are represented by the 50<sup>th</sup> percentile of wages, and experienced hourly earnings are represented by the 75<sup>th</sup> percentile of wages, demonstrating various levels of employment.

### Exhibit 3 – Earnings for Administration of Justice in the South Central Coast Region and Los Angeles County

SOC	Occupation	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
33-1011	<b>First-Line Supervisors of Correctional Officers</b>	\$42.37	\$52.05	\$68.58
33-1012	<b>First-Line Supervisors of Police and Detectives</b>	\$67.81	\$78.79	\$91.92
33-3011	<b>Bailiffs</b>	\$27.10	\$31.24	\$35.50
33-3012	<b>Correctional Officers and Jailers</b>	\$25.61	\$34.12	\$35.50
33-3021	<b>Detectives and Criminal Investigators</b>	\$48.85	\$61.73	\$72.10
33-3051	<b>Police and Sheriff's Patrol Officers</b>	\$44.46	\$55.18	\$62.17
33-9021	<b>Private Detectives and Investigators</b>	\$21.04	\$34.39	\$48.55
33-9032	<b>Security Guards</b>	\$12.94	\$14.50	\$17.27
45-5031	<b>Public Safety Telecommunicators</b>	\$26.30	\$33.61	\$38.38

Source: Economic Modeling Specialists International (EMSI)

## Employer Job Postings

In this research brief, real-time labor market information is used to provide a more nuanced view of the current job market, as it captures job advertisements for occupations relevant to the field of study. Employer job postings are consulted to understand who is looking for those in law enforcement, and what they are looking for in potential candidates. To identify job postings related to Administration of Justice the following standard occupational classifications were used:

33-1011	First-Line Supervisors of Correctional Officers
33-1012	First-Line Supervisors of Police and Detectives
33-3011	Bailiffs
33-3012	Correctional Officers and Jailers
33-3021	Detectives and Criminal Investigators
33-3051	Police and Sheriff's Patrol Officers
33-9021	Private Detectives and Investigators
33-9032	Security Guards
45-5031	Public Safety Telecommunicators

## Top Occupations

In 2019, there were 17,381 employer postings for the occupations related to Administration of Justice.

**Exhibit 4 – Top occupations in job postings and risk of automation tables**

SOC Code	Occupation	Job Postings, Full Year 2019
33-9032	Security Guards	15,133
33-9021	Private Detectives and Investigators	779
33-3051	Police and Sheriff's Patrol Officers	661
33-3021	Detectives and Criminal Investigators	428
33-3012	Correctional Officers and Jailers	209
33-1012	First-Line Supervisors of Police and Detectives	96
33-1011	First-Line Supervisors of Correctional Officers	40
33-3011	Bailiffs	0
45-5031	Public Safety Telecommunicators	0

Source: Labor Insight/Jobs (Burning Glass)

SOC Code	Occupation	Risk of Automation
33-9032	Security Guards	High
33-9021	Private Detectives and Investigators	Low
33-3051	Police and Sheriff's Patrol Officers	Low
33-3021	Detectives and Criminal Investigators	Low
33-3012	Correctional Officers and Jailers	Low
33-1012	First-Line Supervisors of Police and Detectives	Low
33-1011	First-Line Supervisors of Correctional Officers	Low
33-3011	Bailiffs	Medium
45-5031	Public Safety Telecommunicators	Low

Source: Labor Insight/Jobs (Burning Glass)

### Top Titles

The top job titles for employers posting ads for jobs related to Administration of Justice are listed in Exhibit 5. Security Officer is mentioned as the job title in 7% of all relevant job postings (1,239 postings).

### Exhibit 5 –Job titles

Title	Job Postings, Full Year 2019
Security Officer	1,239
Security Guard	621
Unarmed Security Officer	351
Armed Security Officer	348
Security Officer - SUSA	258

Source: Labor Insight/Jobs (Burning Glass)

### Top Employers

Exhibit 6 lists the major employers hiring professionals in the Administration of Justice field. The top employer posting job ads was Allied Universal. The top worksite cities in the region for these occupations were Los Angeles, Long Beach, Pasadena, Santa Monica, and El Segundo.

**Exhibit 6 – Top employers (n=16,070)**

<b>Employer</b>	<b>Job Postings, Full Year 2019</b>
Allied Universal	6,105
Securitas	1,554
Anthem Blue Cross	259
G4S	245
Advantage Sales & Marketing	216

Source: Labor Insight/Jobs (Burning Glass)

### Skills

Handling of Crisis or Emergency Situations is the most sought after skill for employers hiring for jobs related Administration of Justice.

**Exhibit 7 –Job skills (n=14,142)**

<b>Skills</b>	<b>Job Postings, Full Year 2019</b>
Handling of Crisis or Emergency Situations	6,442
Customer Service	2,095
Fire Control	1,530
Cardiopulmonary Resuscitation (CPR)	1,436
Law Enforcement or Criminal Justice Experience	1,119
Deterrence of Rule or Safety Violations	1,056
Surveillance	860

Source: Labor Insight/Jobs (Burning Glass)



## Industry Concentration

Exhibit 8 shows the industries with the most Administration of Justice postings in the South Central Coast Region and Los Angeles County. Note: 14% of records have been excluded because they do not include an industry. As a result, the chart below may not be representative of the full sample.

**Exhibit 8 – Industries employing the most in the Administration of Justice field, 2019**

<b>Industry</b>	<b>Occupation Group Jobs in Industry</b>	<b>% of Occupation Group in Industry</b>
Administrative and Support and Waste Management and Remediation Services	10,379	69.4%
Public Administration	1,604	10.7%
Professional, Scientific, and Technical Services	637	4.3%
Health Care and Social Assistance	503	3.4%
Finance and Insurance	404	2.7%

Source: Labor Insight/Jobs (Burning Glass)

## Education and Training

Exhibit 9 shows the typical entry-level education requirement for the occupations of interest, along with the typical on-the-job training needed to attain competency in the occupation.

**Exhibit 9 – Education and training requirements\***

<b>SOC</b>	<b>Occupation</b>	<b>Typical entry-level education</b>	<b>Typical on-the-job training</b>
33-1011	<b>First-Line Supervisors of Correctional Officers</b>	High school diploma or equivalent	None
33-1012	<b>First-Line Supervisors of Police and Detectives</b>	High school diploma or equivalent	Moderate-term on-the-job training
33-3011	<b>Bailiffs</b>	High school diploma or equivalent	Moderate-term on-the-job training
33-3012	<b>Correctional Officers and Jailers</b>	High school diploma or equivalent	Moderate-term on-the-job training
33-3021	<b>Detectives and Criminal Investigators</b>	High school diploma or equivalent	Moderate-term on-the-job training
33-3051	<b>Police and Sheriff's Patrol Officers</b>	High school diploma or equivalent	Moderate-term on-the-job training
33-9021	<b>Private Detectives and Investigators</b>	High school diploma or equivalent	Moderate-term on-the-job training
33-9032	<b>Security Guards</b>	High school diploma or equivalent	Short-term on-the-job training
45-5031	<b>Public Safety Telecommunicators</b>	High school diploma or equivalent	Short-term on-the-job training

Source: Bureau of Labor Statistics Employment Projections (Educational Attainment)

\*Note: Education and Training Requirements can be Agency Specific. Many agencies are requiring college credits or degrees for promotional opportunities.

### Regional Completions and Openings

There were 4,728 regional completions (2019) and 10,371 regional openings (2019) in the South Central Coast Region and Los Angeles County in programs related to the occupations identified as related to Administration of Justice.

**Exhibit 10 – Completions and Openings**

<b>9</b> Regional Institutions had Related Programs (2019)	<b>4,728</b> Regional Completions (2019)	<b>10,371</b> Annual Openings (2019)
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Source: Economic Modeling Specialists International (EMSI)

### Related Programs

CIP Code	Program	Completions (2019)
43.0107	Criminal Justice/Police Science	3,505
43.0104	Criminal Justice/Safety Studies	941
43.0109	Security and Loss Prevention Services	92
43.0103	Criminal Justice/Law Enforcement Administration	79
43.0301	Homeland Security	68
43.0102	Corrections	40
43.0112	Securities Services Administration/Management	3
43.0111	Criminalistics and Criminal Science	0
43.0199	Corrections and Criminal Justice, Other	0

Source: Economic Modeling Specialists International (EMSI)

## Student Outcomes

The CTE LaunchBoard provides student outcome data on the effectiveness of CTE programs. The following student outcome information was collected from exiters of Administration of Justice Programs (TOP: 2105.00) for the 2017-18 academic year from the South Central Coast Region and Los Angeles County.

- Completers from South Central Coast Region and Los Angeles County Administration of Justice programs, from the 2017-2018 academic year, had a **median annual wage upon completion of \$47,014**.
- 54% of students are **employed within a year** after completing a program.
- 56% of students **attained a living wage** within a year of completion.
- +28% **change in earnings** for completers.
- 73% of students were **part time**, 20% **skill builders**, 27% **first-generation**, and 69% **economically disadvantaged**.

Source: CTE LaunchBoard

## Sources

O\*Net Online, Labor Insight/Jobs (Burning Glass), Economic Modeling Specialists International (EMSI), MIT Living Wage Calculator, Bureau of Labor Statistics (BLS) Education Attainment, California Community Colleges Chancellor's Office Management Information Systems (MIS) Data Mart, CTE LaunchBoard, Statewide CTE Outcomes Survey, Employment Development Department Unemployment Insurance Dataset

## Notes

Data included in this analysis represent the labor market demand for relevant positions most closely related to Administration of Justice. Traditional labor market information was used to show current and projected employment based on data trends, as well as annual average awards granted by regional community colleges. Real-time labor market information captures job post advertisements for occupations relevant to the field of study and can signal demand and show what employers are looking for in potential employees, but is not a perfect measure of the quantity of open positions. All representations have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. The most recent data available at the time of the analysis was examined; however, data sets are updated regularly and may not be consistent with previous reports. Efforts have been made to qualify and validate the accuracy of the data and findings; however, neither the Centers of Excellence for Labor Market Research (COE), COE host district, nor California Community Colleges Chancellor's Office are responsible for the applications or decisions made by individuals and/or organizations based on this study or its recommendations.