



Education Report

Criminal Justice/Safety Studies

California



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Definition of Criminal Justice/Safety Studies, CIP 43.0104

A program that focuses on the criminal justice system, its organizational components and processes, and its legal and public policy contexts. Includes instruction in criminal law and policy, police and correctional systems organization, the administration of justice and the judiciary, and public attitudes regarding criminal justice issues.

Awards

The table below is a list of postsecondary awards in CIP 43.0104 that were granted by institutions located in California in the 2021 academic year.

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
California State University-Sacramento		489	4	\$7,778
Ashford University		313	107	\$23,585
San Diego State University		391		\$6,867
California State University-Fullerton		365		\$4,939
California State University-Northridge		333		\$8,708
California State University-Los Angeles		330		\$2,695
California State University-Long Beach		302	19	\$9,171
California State University-Dominguez Hills		295		\$4,500
California State University-San Bernardino		261	5	\$3,254
California State University-East Bay		242		\$12,631
San Jose State University		228	9	\$14,603
San Francisco State University		233		\$13,641
California State University-Stanislaus		191	2	\$7,230
California State University-Bakersfield		189		\$7,368
California State University-Chico		171		\$13,749
Sonoma State University		79		\$7,055
La Sierra University		60		\$25,230
University of Massachusetts Global		60		\$26,346
Point Loma Nazarene University		37		\$34,851
University of Southern California			31	\$26,021
Marymount California University		25		\$35,660
Platt College-Riverside	11	7		\$28,184
Platt College-Ontario	9	8		\$22,432
Platt College-Los Angeles	8	1		\$26,055
Platt College-Anaheim	4	3		\$24,328
Loma Linda University			6	
ATA College	4			\$18,016
Hope International University		2		\$18,801
Fresno Pacific University				\$15,350
Skyline College				\$4,885

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Woodbury University				\$32,293
Total	36	4,615	183	

1. Undergraduate certificates and associate's degrees

2. Bachelor's degrees and post-baccalaureates

3. Master's, post-master's, and doctorates

4. Average net price represents full-time beginning undergraduate students who paid the in-state or in-district tuition rate and were awarded grant or scholarship aid from federal, state or local governments, or the institution. Data as of the 2020-2021 academic year.

Awards data are per the National Center for Education Statistics (NCES) and JobsEQ for the 2021 academic year. Any programs shown here reflect only data reported to the NCES; reporting is required of all schools participating in any federal finance assistance program authorized by Title IV of the Higher Education Act of 1965, as amended—other training providers in the region that do not report data to the NCES are not reflected in the above.

Occupation Crosswalk

The below table lists all occupations linked with the program, Criminal Justice/Safety Studies, CIP 43.0104.

		Education and Training Requirements			Educational Attainment				
		Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency in the Occupation	No College	Some College, No Degree	Associate's Degree	Bachelor's Degree	Postgraduate Degree
19-4099	Life, Physical, and Social Science Technicians, All Other	Associate's degree	None	None	11%	15%	12%	40%	22%
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	Doctoral or professional degree	None	None	1%	1%	1%	14%	82%
33-1011	First-Line Supervisors of Correctional Officers	High school diploma or equivalent	Less than 5 years	None	25%	27%	14%	26%	8%
33-1012	First-Line Supervisors of Police and Detectives	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	9%	18%	15%	39%	18%
33-3021	Detectives and Criminal Investigators	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	6%	15%	10%	48%	21%
33-3051	Police and Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training	10%	23%	17%	41%	10%
33-3052	Transit and Railroad Police	High school diploma or equivalent	None	Moderate-term on-the-job training	10%	23%	17%	40%	9%
33-9021	Private Detectives and Investigators	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	8%	13%	10%	46%	24%
33-9031	Gambling Surveillance Officers and Gambling Investigators	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	37%	27%	13%	19%	5%
33-9032	Security Guards	High school diploma or equivalent	None	Short-term on-the-job training	35%	25%	12%	22%	6%

Education and training requirements are from the Bureau of Labor Statistics (BLS); educational attainment mix are regional data modeled by Chmura using Census educational attainment data projected to 2022Q4 along with source data from the BLS

Definition of Life, Physical, and Social Science Technicians, All Other (19-4099)

All life, physical, and social science technicians not listed separately.

Definition of Criminal Justice and Law Enforcement Teachers, Postsecondary (25-1111)

Teach courses in criminal justice, corrections, and law enforcement administration. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

Definition of First-Line Supervisors of Correctional Officers (33-1011)

Directly supervise and coordinate activities of correctional officers and jailers.

Definition of First-Line Supervisors of Police and Detectives (33-1012)

Directly supervise and coordinate activities of members of police force.

Definition of Detectives and Criminal Investigators (33-3021)

Conduct investigations related to suspected violations of federal, state, or local laws to prevent or solve crimes.

Definition of 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.

Definition of Transit and Railroad Police (33-3052)

Protect and police railroad and transit property, employees, or passengers.

Definition of Private Detectives and Investigators (33-9021)

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.

Definition of Gambling Surveillance Officers and Gambling Investigators (33-9031)

Observe gambling operation for irregular activities such as cheating or theft by either employees or patrons. Investigate potential threats to gambling assets such as money, chips, and gambling equipment. Act as oversight and security agent for management and customers.

Definition of Security Guards (33-9032)

Guard, patrol, or monitor premises to prevent theft, violence, or infractions of rules. May operate x-ray and metal detector equipment.

Occupation Details

As of 2022Q4, total employment for occupations linked to Criminal Justice/Safety Studies in California was 276,180. Over the past three years, linked occupations added 2,772 jobs in the region and are expected to need in aggregate approximately 237,526 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Criminal Justice/Safety Studies in California¹

SOC	Occupation	Current						3-Year History	7-Year Forecast				
		Empl	Mean Ann Wages ²	LQ	Unempl	Unempl Rate	Online Job Ads ³	Ann %	Total Demand	Exits	Transfers	Empl Growth	Avg Ann Growth %
33- 9032	Security Guards	164,196	\$40,900	1.21	11,547	6.7%	1,017	0.7%	167,497	70,644	90,660	6,192	0.5%
33- 3051	Police and Sheriff's Patrol Officers	69,929	\$109,200	0.90	1,051	1.5%	1,838	-0.2%	41,494	14,862	25,265	1,366	0.3%
33- 3021	Detectives and Criminal Investigators	11,472	\$115,600	0.90	98	0.9%	467	0.1%	6,319	2,567	3,770	-18	0.0%
19- 4099	Life, Physical, and Social Science Technicians, All Other	10,578	\$65,200	1.32	304	2.9%	771	1.7%	9,932	2,063	7,336	533	0.7%
33- 1012	First-Line Supervisors of Police and Detectives	7,641	\$160,600	0.52	301	3.8%	61	-0.2%	3,708	1,298	2,272	138	0.3%
33- 1011	First-Line Supervisors of Correctional Officers	4,559	\$115,300	0.74	174	3.7%	19	-0.3%	2,541	1,192	1,474	-125	-0.4%
33- 9021	Private Detectives and Investigators	3,880	\$68,800	1.05	4	0.1%	117	-4.0%	2,852	987	1,636	230	0.8%
25- 1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	1,932	\$152,200	1.20	36	1.9%	34	-2.5%	1,250	627	529	94	0.7%
33- 9031	Gambling Surveillance Officers and Gambling Investigators	1,746	\$36,700	1.36	123	6.7%	28	-1.3%	1,784	751	963	70	0.6%
33- 3052	Transit and Railroad Police	248	\$74,200	0.49	4	1.6%	16	-1.2%	148	53	90	6	0.3%
Total - Linked Occupations		276,180	\$67,900	1.05	13,643	4.8%	4,368	0.3%	237,526	95,044	133,995	8,487	0.4%
Total - All Occupations		19,219,968	\$71,900	1.00	797,161	4.1%	547,112	0.6%	17,029,863	6,722,656	9,379,252	927,955	0.7%

Source: [JobsEQ®](https://www.jobseq.com)

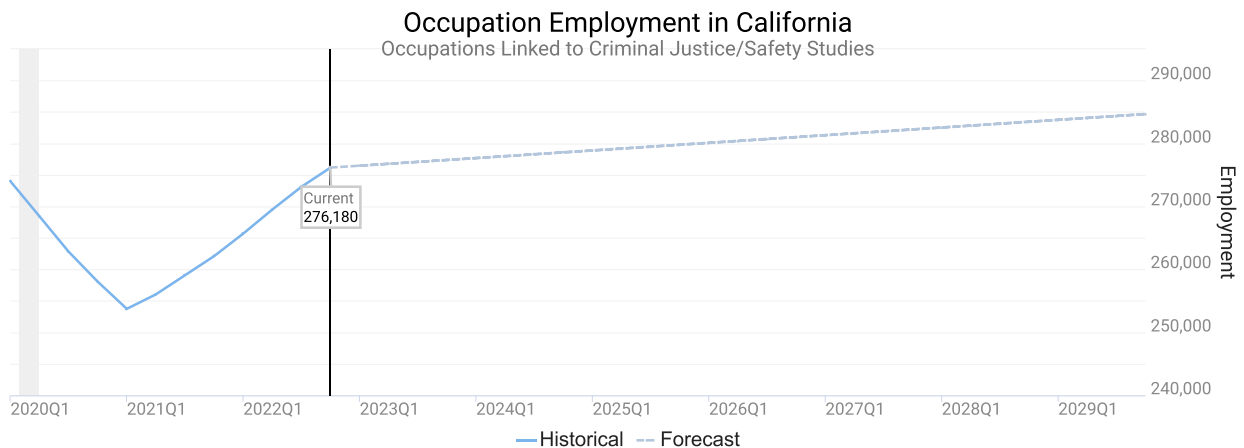
Data as of 2022Q4 unless noted otherwise

Note: Figures may not sum due to rounding.

1. Data based on a four-quarter moving average unless noted otherwise.

2. Wage data represent the average for all Covered Employment

3. Data represent found online ads active within the last thirty days in the selected region. Due to alternative county-assignment algorithms, ad counts in this analytic may not match that shown in RTI (nor in the popup window ad list). Ad counts for ZCTA-based regions are estimates.



Source: JobsEQ®, Data as of 2022Q4. The shaded areas of the graph represent national recessions.

Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with preliminary estimates updated to 2022Q4. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns. Occupation unemployment figures are imputed by Chmura.

Employment by Industry

The table illustrates the industries in California which most employ occupations linked to Criminal Justice/Safety Studies. The single industry most employing these occupations in the region is Investigation and Security Services, NAICS 5616. This industry employs 119,915 workers in the linked occupations—employment which is expected to increase by 7,248 jobs over the next ten years; furthermore, 168,187 additional new workers in these linked occupations will be needed for this industry due to separation demand, that is, to replace workers in this occupation and industry that retire or move into a different occupation.

Industry Distribution for Occupations Linked to Criminal Justice/Safety Studies in California

NAICS Code	Industry Title	Current			10-Year Demand		
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	Total Demand
5616	Investigation and Security Services	43.4%	119,915	73,571	94,616	7,248	175,435
9221	Justice, Public Order, and Safety Activities	12.2%	33,717	10,610	17,093	446	28,150
9211	Executive, Legislative, and Other General Government Support	10.6%	29,194	9,070	14,994	807	24,871
9231	Administration of Human Resource Programs	6.3%	17,347	5,402	8,916	435	14,753
6113	Colleges, Universities, and Professional Schools	2.5%	7,016	2,749	5,126	489	8,363
6111	Elementary and Secondary Schools	1.9%	5,234	2,800	3,730	-88	6,442
9241	Administration of Environmental Quality Programs	1.9%	5,191	1,625	2,665	42	4,332
9261	Administration of Economic Programs	1.8%	5,040	1,587	2,588	5	4,180
6221	General Medical and Surgical Hospitals	1.6%	4,401	2,431	3,361	-73	5,718
7211	Traveler Accommodation	1.5%	4,154	2,807	3,604	1,143	7,554
7132	Gambling Industries	1.4%	3,766	2,201	2,824	-184	4,841
5613	Employment Services	1.2%	3,235	1,401	2,839	128	4,369
5417	Scientific Research and Development Services	1.1%	2,962	948	2,896	280	4,124
6112	Junior Colleges	1.1%	2,954	1,290	1,596	-10	2,876
9281	National Security and International Affairs	0.6%	1,635	519	871	-78	1,312
5313	Activities Related to Real Estate	0.5%	1,388	820	1,054	-38	1,835
	All Others	10.5%	29,031	15,978	22,697	1,669	40,343

Source: JobsEQ®

Data as of 2022Q4 except wages which are as of 2021. Note that occupation-by-industry wages represent adjusted national data and may not be consistent with regional, all-industry occupation wages shown elsewhere in JobsEQ.

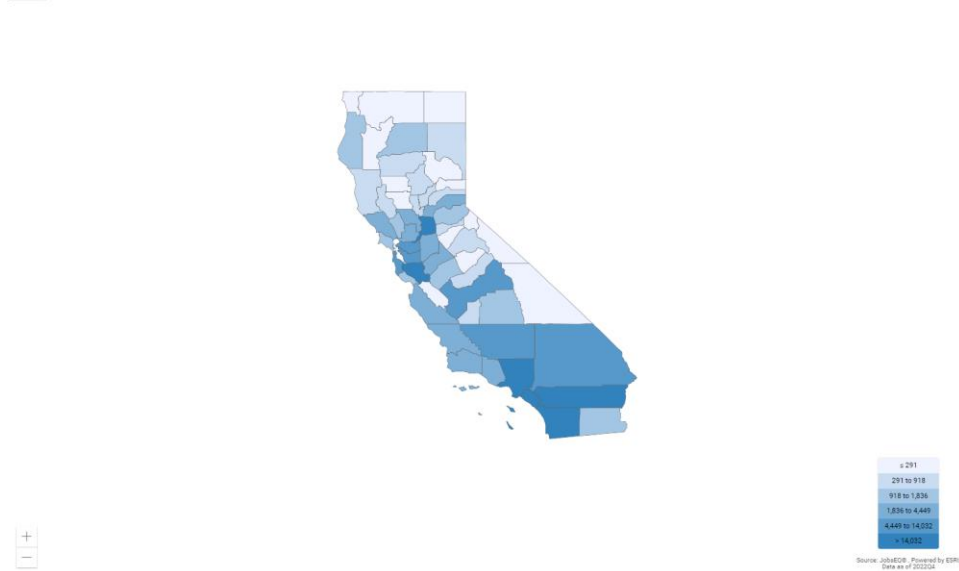
Note: Figures may not sum due to rounding.

Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with preliminary estimates updated to 2022Q4. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

Geographic Distribution

The map below illustrates the county-level distribution of employed workers in California in occupations linked to Criminal Justice/Safety Studies. Employment is shown by place of work.

California, Occupation Concentration by Place of Work for Occupations Linked to Criminal Justice/Safety Studies



Top Counties with Employment Linked to Criminal Justice/Safety Studies, 2022Q4

Region	Employment
Los Angeles County, California	81,478
San Diego County, California	22,312
Orange County, California	19,427
Riverside County, California	16,660
Sacramento County, California	15,693
Santa Clara County, California	14,032
San Francisco County, California	13,696
San Bernardino County, California	12,190
Alameda County, California	10,958
Contra Costa County, California	5,891

Source: JobsEQ®

Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with preliminary estimates updated to 2022Q4.

Demographic Profile

The population in California was 39,346,023 per American Community Survey data for 2016-2020.

Of individuals 25 to 64 in California, 35.4% have a bachelor's degree or higher which compares with 34.3% in the nation. Per American Community Survey 2016-2020 estimates, the region has about 576,714 students enrolled in grade 12.

Summary¹

	Percent		Value	
	California	USA	California	USA
Demographics				
Population (ACS)	—	—	39,346,023	326,569,308
Male	49.7%	49.2%	19,562,882	160,818,530
Female	50.3%	50.8%	19,783,141	165,750,778
Median Age ²	—	—	36.7	38.2
Under 18 Years	22.8%	22.4%	8,956,641	73,296,738
18 to 24 Years	9.5%	9.3%	3,724,239	30,435,736
25 to 34 Years	15.3%	13.9%	6,007,913	45,485,165
35 to 44 Years	13.3%	12.7%	5,233,903	41,346,677
45 to 54 Years	12.8%	12.7%	5,039,155	41,540,736
55 to 64 Years	12.0%	12.9%	4,739,675	42,101,439
65 to 74 Years	8.3%	9.4%	3,270,380	30,547,950
Population Growth				
Population (Pop Estimates) ⁴	—	—	39,029,342	333,287,557
Population Annual Average Growth ⁴	0.3%	0.6%	108,479	1,940,990
People per Square Mile	—	—	250.4	94.3
Educational Attainment, Age 25-64				
No High School Diploma	15.2%	10.5%	3,199,850	17,929,220
High School Graduate	20.4%	25.4%	4,282,776	43,289,555
Some College, No Degree	21.0%	20.5%	4,412,172	34,959,338
Associate's Degree	8.0%	9.3%	1,678,082	15,776,790
Bachelor's Degree	22.6%	21.6%	4,741,354	36,888,244
Postgraduate Degree	12.9%	12.7%	2,706,412	21,630,870
Social				
Poverty Level (of all people)	12.6%	12.8%	4,853,434	40,910,326
Households Receiving Food Stamps/SNAP	9.0%	11.4%	1,183,873	13,892,407
Enrolled in Grade 12 (% of total population)	1.5%	1.3%	576,714	4,358,865
Disconnected Youth ³	1.9%	2.5%	38,451	433,164
Children in Single Parent Families (% of all children)	32.8%	34.0%	2,796,858	23,628,508
Uninsured	7.2%	8.7%	2,806,173	28,058,903
Speak English Less Than Very Well (population 5 yrs and over)	17.4%	8.2%	6,432,102	25,312,024

Source: [JobsEQ®](https://www.chmuraecon.com/jobseq)

1. American Community Survey 2016-2020, unless noted otherwise

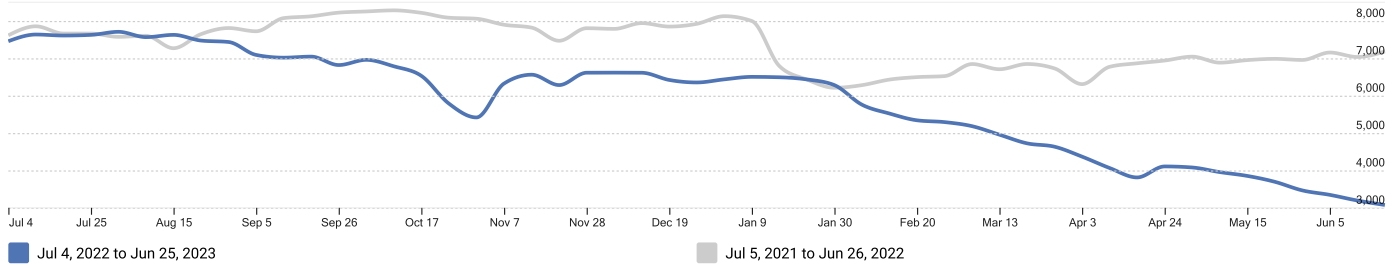
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

3. Disconnected Youth are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force.

4. Census Population Estimate for 2022, annual average growth rate since 2012. Post-2019 data for Connecticut counties are imputed by Chmura.

RTI (Job Postings)

Active Job Ads by Date



Occupations



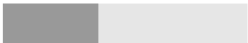
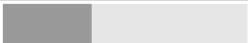
SOC	Occupation	Active Job Ads
33-9032.00	Security Guards	32,763
33-3051.00	Police and Sheriff's Patrol Officers	5,395
19-4099.01	Quality Control Analysts	4,799
33-3021.00	Detectives and Criminal Investigators	1,590
33-3021.06	Intelligence Analysts	629
33-9021.00	Private Detectives and Investigators	546
33-3051.04	Customs and Border Protection Officers	286
33-1012.00	First-Line Supervisors of Police and Detectives	256
33-9031.00	Gambling Surveillance Officers and Gambling Investigators	157
33-3021.02	Police Identification and Records Officers	142

Locations

Location	Active Job Ads
Los Angeles, California	837
San Diego, California	660
San Francisco, California	617
Sacramento, California	595
Los Angeles, CA 90017	410
Los Angeles, CA 90034	371

Locations

**Active
Job
Ads**

Location		
San Diego, CA 92101	354	
San Francisco, CA 94104	353	
San Jose, California	327	
San Jose, CA 95110	304	

Employers

Employer Name	Active Job Ads	
Allied universal	19,729	
Paragon	1,486	
GARDA WORLD	1,132	
Target	971	
Security Industry Specialists	311	
Bloomingdale's	287	
Securitas Security Services	280	
U.S. Customs and Border Protection	219	
Brosnan Risk Consultants	210	
CA DEPARTMENT OF PARKS AND RECREATION	169	

Certifications

Certificate Name	Active Job Ads	
Driver's License	21,574	
Certification in Cardiopulmonary Resuscitation (CPR)	1,587	
First Aid Certification	1,409	
Secret Clearance	312	
Emergency Medical Technician (EMT)	261	
Basic Life Support (BLS)	249	
Commercial Driver's License (CDL)	189	
AED Essentials	52	
Certified Quality Auditor (CQA)	43	
Transportation Worker Identification Credential (TWIC)	20	

Hard Skills

Skill Name	Active Job Ads	
Law Enforcement	2,335	
Microsoft Excel	2,328	
Microsoft Office	2,097	
Ability to Lift 31-40 lbs.	1,994	
Report Writing/Report Preparation	1,451	
Microsoft Word	1,368	
English	1,172	
Closed Circuit Television Systems (CCTV)	1,028	
Sales Support	984	
Personal Computers (PC)	968	

Soft Skills

Skill Name	Active Job Ads	
Problem Solving	18,052	
Communication (Verbal and written skills)	16,987	
Customer Service	8,266	
Cooperative/Team Player	4,713	
Interpersonal Relationships/Maintain Relationships	4,022	
Good Judgment	3,433	
Detail Oriented/Meticulous	3,031	
Organization	2,908	
Self-Motivated/Ability to Work Independently/Self Leadership	2,837	
Adaptability/Flexibility/Tolerance of Change and Uncertainty	2,791	

Job Titles

Job Title	Active Job Ads	
Security Officer	1,721	
Security Specialist	991	
Security Guard	565	
Security Officer - Flex	563	
Security Officer - Retail	539	
Security Officer Hospital	537	
Security Officer (Full-time)	462	
Security Patrol Driver	401	
Security Officer - Armed	334	
Hospital Security Officer	297	

Job Types

Type	Active Job Ads	
Full-Time	33,802	
Part-Time	6,978	
Permanent	2,984	
Temporary (unspecified)	1,420	
Remote	454	
Temporary (long-term)	185	
Temp-to-Hire	118	
Temporary (short-term)	74	
Remote Not Indicated	46,516	

Programs

Program Name	Active Job Ads	
Criminal Justice	940	
Science	650	
Biology	541	
Chemistry	504	
Engineering	347	
Biochemistry	232	
Business Administration	209	
Microbiology	201	
Life Science	194	
Public Administration	178	

Education Levels

Minimum Education Level	Active Job Ads	
High school diploma or equivalent	30,407	
Bachelor's degree	3,076	
Associate's degree	1,167	
Master's degree	208	
Doctoral or professional degree	34	
Unspecified/other	12,078	

California Regional Map



FAQ

What is CIP?

The 2010 Classification of Instructional Programs (CIP) is taxonomy of instructional program classifications and descriptions. It was developed and has been updated by the U.S. Department of Education's National Center for Education Statistics (NCES).

What is SOC?

The Standard Occupational Classification system (SOC) is used to classify workers into occupational categories. All workers are classified into one of over 804 occupations according to their occupational definition. To facilitate classification, occupations are combined to form 22 major groups, 95 minor groups, and 452 occupation groups. Each occupation group includes detailed occupations requiring similar job duties, skills, education, or experience.

What is the source of the job ads?

Job ads data are online job posts from the Real-Time Intelligence (RTI) data set, produced wholly by Chmura and gleaned from over 40,000 websites. Data reflect ads active during the last twelve month period ending 07/05/2023 and advertised for any Zip Code Tabulation Area in or intersecting with the region for which this report was produced. Historical ad volume is revised as additional data are made available and processed. Since many extraneous factors can affect short-term volume of online job postings, time-series data can be volatile and should be used with caution. All ad counts represent deduplicated figures.

What is the program-to-occupation crosswalk?

Training programs are classified according to the Classification of Instructional Programs (CIP codes). For relating training programs, this report uses a modified version of the CIP to SOC crosswalk from the National Center for Education Statistics (NCES). While this is a very helpful crosswalk for estimating occupation production from training program awards data, the crosswalk is neither perfect nor comprehensive. Indeed, it is hard to imagine such a crosswalk being perfect since many training program graduates for one reason or another do not end up employed in occupations that are most related to the training program from which they graduated. Therefore, the education program analyses should be considered in this light.

As an example of the many scenarios that may unfold, consider a journalism degree that crosswalks into three occupations: editors, writers, and postsecondary communications teachers. Graduates with a journalism degree may get a job in one of these occupations—and that may be the most-likely scenario—but a good number of these graduates may get a job in a different occupation altogether (the job may be somewhat related, such as a reporter, or the job may be totally unrelated, such as a real estate agent). Furthermore, a graduate may stay in school or go back to school for a degree that will lead to other occupation possibilities. Still another possibility includes the graduate not entering the labor market (maybe being unemployed, being a non-participant, or moving to another region).

What is separation demand?

Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. The total projected demand for an occupation is the sum of the separation demand and the growth

demand (which is the increase or decrease of jobs in an occupation expected due to expansion or contraction of the overall number of jobs in that occupation).

What is a location quotient?

A location quotient (LQ) is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an occupation (or industry) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is NAICS?

The North American Industry Classification System (NAICS) is used to classify business establishments according to the type of economic activity. The NAICS Code comprises six levels, from the “all industry” level to the 6-digit level. The first two digits define the top level category, known as the “sector,” which is the level examined in this report.

About This Report

This report and all data herein were produced by JobsEQ®, a product of Chmura Economics & Analytics. The information contained herein was obtained from sources we believe to be reliable. However, we cannot guarantee its accuracy and completeness.