



# Education Report

## **Sociology, General**

California



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# Definition of Sociology, General, CIP 45.1101

A program that focuses on the systematic study of human social institutions and social relationships. Includes instruction in social theory, sociological research methods, social organization and structure, social stratification and hierarchies, dynamics of social change, family structures, social deviance and control, and applications to the study of specific social groups, social institutions, and social problems.

# Awards

The table below is a list of postsecondary awards in CIP 45.1101 that were granted by institutions located in California in the 2021 academic year.

Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
University of California-Los Angeles		737	29	\$13,393
University of California-Santa Barbara		717	9	\$17,333
California State University-Northridge		492	7	\$8,708
University of California-Riverside		393	10	\$13,502
California State University-Los Angeles		385	17	\$2,695
California State University-Fullerton		382	13	\$4,939
University of California-Berkeley		356	18	\$17,652
Mt San Antonio College	335			\$5,774
California State University-Long Beach		308		\$9,171
University of California-Irvine		286	20	\$11,633
California State University-Dominguez Hills		290	11	\$4,500
California State University-Sacramento		286	6	\$7,778
California State University-San Marcos		268	8	\$14,296
University of California-Davis		264	11	\$16,640
University of California-Santa Cruz		261	12	\$19,615
California State Polytechnic University-Pomona		270		\$12,942
California State University-San Bernardino		259		\$3,254
California State University-East Bay		247		\$12,631
Fullerton College	240			\$11,191
San Jose State University		212	2	\$14,603
California State University-Channel Islands		187		\$14,493
California State University-Chico		186		\$13,749
Long Beach City College	186			\$6,550
Citrus College	182			\$8,852
East Los Angeles College	180			\$12,028
California State University-Stanislaus		167		\$7,230
University of California-San Diego		157	4	\$15,632
Chaffey College	158			\$13,939
Ashford University		108	40	\$23,585

Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
Sonoma State University		148		\$7,055
California State University-Bakersfield		147		\$7,368
California State University-Fresno		147		\$6,336
Bakersfield College	145			\$6,989
San Diego State University		133	8	\$6,867
Pasadena City College	139			\$6,466
El Camino Community College District	132			\$13,296
San Francisco State University		131		\$13,641
Cerritos College	124			\$9,557
Santa Barbara City College	121			\$14,000
Oxnard College	119			\$3,441
College of the Canyons	118			\$6,400
Santa Rosa Junior College	115			\$9,220
Los Angeles Valley College	109			\$11,833
Merced College	107			\$13,426
Ventura College	103			\$3,971
Rio Hondo College	95			\$7,873
College of the Sequoias	92			\$5,205
Sacramento City College	92			\$7,788
University of California-Merced		88	4	\$11,586
Modesto Junior College	90			\$14,421
Riverside City College	88			\$7,161
Antelope Valley Community College District	87			\$6,203
Loyola Marymount University		87		\$40,180
Palomar College	86			\$6,659
California Polytechnic State University-San Luis Obispo		83		\$20,708
Moorpark College	83			\$4,856
Glendale Community College	79			\$7,823
Santa Monica College	79			\$6,380
MiraCosta College	72			\$6,946
Diablo Valley College	71			\$8,878
Cypress College	70			\$7,951
Southwestern College	70			\$6,789
De Anza College	66			\$8,236
Canada College	65			\$5,923
Fresno City College	65			\$6,391

Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
Saddleback College	65			\$7,918
Allan Hancock College	64			\$6,629
Hartnell College	64			\$7,721
Chabot College	63			\$8,576
University of Southern California		61	2	\$26,021
Foothill College	62			\$9,820
Orange Coast College	62			\$6,836
Cabrillo College	61			\$18,139
Imperial Valley College	59			\$2,300
San Bernardino Valley College	57			\$9,621
Santa Ana College	56			\$6,351
College of the Desert	55			\$14,179
Norco College	53			\$7,404
Berkeley City College	52			\$13,556
Coastline Community College	52			\$8,953
Cosumnes River College	52			\$7,223
Cuesta College	52			\$14,586
Los Angeles Mission College	52			\$12,798
American River College	50			\$8,101
Crafton Hills College	49			\$20,456
Stanford University		16	32	\$14,402
University of San Diego		48		\$34,155
University of San Francisco		48		\$39,825
Grossmont College	47			\$5,999
Sierra College	47			\$5,921
San Jose City College	46			\$17,618
West Valley College	45			\$6,890
City College of San Francisco	44			\$9,261
San Diego Mesa College	44			\$7,663
Los Angeles Southwest College	43			\$8,651
Golden West College	42			\$5,433
Santiago Canyon College	42			\$5,879
California Baptist University		39		\$23,494
Los Medanos College	39			\$7,231
West Los Angeles College	38			\$10,259
Clovis Community College	37			\$6,305
College of Alameda	37			\$12,583

Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
National University		37		\$9,966
Los Angeles Pierce College	36			\$12,995
San Diego City College	35			\$8,370
Chapman University		33		\$40,451
Compton College	33			\$10,875
Feather River Community College District	33			\$11,415
Biola University		32		\$29,123
Los Angeles Trade Technical College	31			\$10,495
California State Polytechnic University-Humboldt		27	3	\$13,904
Contra Costa College	30			\$9,405
Irvine Valley College	30			\$4,860
Mount Saint Mary's University		30		\$24,508
University of Massachusetts Global		30		\$26,346
Victor Valley College	30			\$12,848
Solano Community College	29			\$5,950
West Hills College-Lemoore	29			\$13,571
Reedley College	28			\$7,089
Napa Valley College	27			\$18,440
Occidental College		26		\$43,047
Monterey Peninsula College	25			\$12,007
Mission College	24			\$6,727
Moreno Valley College	24			\$4,899
College of San Mateo	23			\$5,427
University of Redlands		22		\$21,578
Lake Tahoe Community College	21			\$7,867
San Diego Miramar College	21			\$7,880
University of La Verne		21		\$22,538
Barstow Community College	20			\$9,756
Folsom Lake College	20			\$8,276
Santa Clara University		20		\$48,469
California Lutheran University		18		\$24,065
Shasta College	18			\$7,973
Vanguard University of Southern California		17		\$20,427
Ohlone College	16			\$12,787
Saint Mary's College of California		16		\$25,022

Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
Laney College	15			\$16,494
Pepperdine University		15		\$40,945
Taft College	15			\$7,143
College of Marin	14			\$7,717
Columbia College	14			\$10,735
Notre Dame de Namur University		14		\$28,243
Point Loma Nazarene University		14		\$34,851
Porterville College	14			\$5,757
Skyline College	14			\$4,885
Azusa Pacific University		13		\$27,112
Butte College	13			\$10,736
Las Positas College	13			\$7,675
Madera Community College	13			
Mills College		13		\$25,283
University of the Pacific		13		\$21,311
Woodland Community College	12			\$7,480
Copper Mountain Community College	11			\$8,749
Whittier College		10		\$22,091
Merritt College	9			\$16,194
La Sierra University		8		\$25,230
Los Angeles Harbor College	8			\$12,787
Westmont College		8		\$33,554
Cuyamaca College	7			\$6,460
Holy Names University		7		\$21,515
Scripps College		7		\$44,770
Yuba College	7			\$5,503
Lassen Community College	6			\$11,495
Palo Verde College	6			\$14,270
Pitzer College		6		\$19,153
Pomona College		6		\$17,000
Gavilan College	4			\$8,705
Mendocino College	4			\$8,465
College of the Siskiyous	3			\$11,340
Fresno Pacific University		3		\$15,350
University of California-San Francisco			3	
Mt San Jacinto Community College District	2			\$7,704



Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
Claremont McKenna College		1		\$21,663
College of the Redwoods	1			\$8,618
<b>Total</b>	<b>6,382</b>	<b>8,861</b>	<b>269</b>	

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, Sociology, General, CIP 45.1101.

		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
11-9199	Managers, All Other	Bachelor's degree	Less than 5 years	None	12%	12%	6%	42%	28%
19-3041	Sociologists	Master's degree	None	None	1%	3%	3%	33%	60%
19-4061	Social Science Research Assistants	Bachelor's degree	None	None	11%	16%	12%	40%	21%
25-1067	Sociology Teachers, Postsecondary	Doctoral or professional degree	None	None	1%	1%	1%	14%	82%

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 Managers, All Other (11-9199)

All managers not listed separately.

## Definition of Sociologists (19-3041)

Study human society and social behavior by examining the groups and social institutions that people form, as well as various social, religious, political, and business organizations. May study the behavior and interaction of groups, trace their origin and growth, and analyze the influence of group activities on individual members.

## Definition of Social Science Research Assistants (19-4061)

Assist social scientists in laboratory, survey, and other social science research. May help prepare findings for publication and assist in laboratory analysis, quality control, or data management.

## Definition of Sociology Teachers, Postsecondary (25-1067)

Teach courses in sociology. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

# Occupation Details

As of 2022Q4, total employment for occupations linked to Sociology, General in California was 105,434. Over the past three years, linked occupations added 25,659 jobs in the region and are expected to need in aggregate approximately 66,444 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Sociology, General in California<sup>1</sup>

SOC	Occupation	Current						3-Year History	7-Year Forecast				
		Empl	Mean Ann Wages <sup>2</sup>	LQ	Unempl	Unempl Rate	Online Job Ads <sup>3</sup>	Ann %	Total Demand	Exits	Transfers	Empl Growth	Avg Ann Growth %
11- 9199	Managers, All Other	98,004	\$164,300	1.35	1,405	1.5%	1,386	10.6%	59,926	21,848	33,829	4,248	0.6%
19- 4061	Social Science Research Assistants	5,853	\$64,100	1.48	726	11.3%	23	1.3%	5,490	1,140	4,053	296	0.7%
19- 3041	Sociologists	792	\$107,900	1.89	10	1.3%	1	-4.5%	533	129	387	17	0.3%
25- 1067	Sociology Teachers, Postsecondary	785	\$139,000	0.53	14	1.8%	146	-2.2%	495	253	213	29	0.5%
<b>Total - Linked Occupations</b>		<b>105,434</b>	<b>\$158,100</b>	<b>1.34</b>	<b>2,155</b>	<b>2.1%</b>	<b>1,556</b>	<b>9.7%</b>	<b>66,444</b>	<b>23,370</b>	<b>38,484</b>	<b>4,590</b>	<b>0.6%</b>
<b>Total - All Occupations</b>		<b>19,219,968</b>	<b>\$71,900</b>	<b>1.00</b>	<b>797,161</b>	<b>4.1%</b>	<b>553,722</b>	<b>0.6%</b>	<b>17,029,863</b>	<b>6,722,656</b>	<b>9,379,252</b>	<b>927,955</b>	<b>0.7%</b>

Source: JobsEQ®

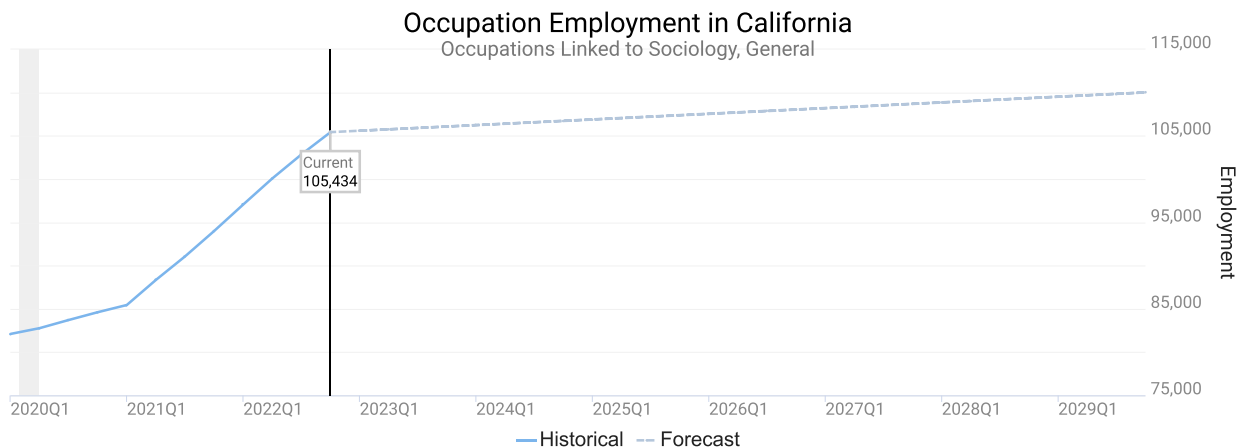
Data as of 2022Q4 unless noted otherwise

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 Sociology, General. The single industry most employing these occupations in the region is Scientific Research and Development Services, NAICS 5417. This industry employs 7,015 workers in the linked occupations—employment which is expected to increase by 613 jobs over the next ten years; furthermore, 6,701 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 Sociology, General in California**

NAICS Code	Industry Title	Current			10-Year Demand		
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	Total Demand
5417	Scientific Research and Development Services	6.7%	7,015	2,145	4,556	613	7,314
6113	Colleges, Universities, and Professional Schools	5.5%	5,755	1,799	4,224	445	6,467
5511	Management of Companies and Enterprises	5.2%	5,437	1,697	2,653	135	4,485
5416	Management, Scientific, and Technical Consulting Services	4.5%	4,775	1,548	2,450	507	4,505
9221	Justice, Public Order, and Safety Activities	3.4%	3,630	1,115	1,785	-5	2,896
2361	Residential Building Construction	3.4%	3,551	1,103	1,708	32	2,844
5415	Computer Systems Design and Related Services	3.2%	3,345	1,115	1,728	551	3,395
9211	Executive, Legislative, and Other General Government Support	2.8%	2,923	906	1,457	55	2,418
5611	Office Administrative Services	2.5%	2,590	835	1,293	226	2,354
5613	Employment Services	2.4%	2,537	808	1,276	170	2,254
9281	National Security and International Affairs	2.2%	2,289	692	1,072	-105	1,659
9231	Administration of Human Resource Programs	2.0%	2,095	647	1,037	21	1,705
6221	General Medical and Surgical Hospitals	1.9%	1,999	621	1,020	48	1,688
5413	Architectural, Engineering, and Related Services	1.5%	1,544	477	755	3	1,235
2362	Nonresidential Building Construction	1.5%	1,531	479	742	36	1,257
5121	Motion Picture and Video Industries	1.4%	1,521	506	784	246	1,536
5419	Other Professional, Scientific, and Technical Services	1.4%	1,519	478	811	89	1,378
5192	Web Search Portals, Libraries, Archives, and Other Information Services	1.4%	1,486	513	796	372	1,681
5241	Insurance Carriers	1.4%	1,452	466	721	112	1,299
5412	Accounting, Tax Preparation, Bookkeeping, and Payroll Services	1.3%	1,397	437	676	30	1,143
	All Others	44.6%	47,043	15,002	23,440	3,036	41,478

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.

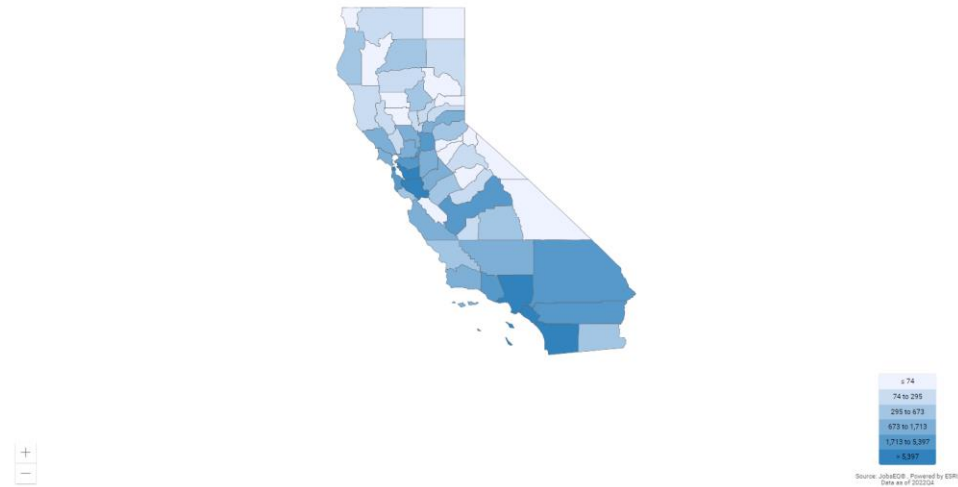
Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with 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 Sociology, General. Employment is shown by place of work.

California, Occupation Concentration by Place of Work for Occupations Linked to Sociology, General

export



## Top Counties with Employment Linked to Sociology, General, 2022Q4

Region	Employment
Los Angeles County, California	26,213
San Diego County, California	10,616
Orange County, California	9,565
Santa Clara County, California	8,484
San Francisco County, California	6,172
Alameda County, California	5,397
Sacramento County, California	4,430
San Mateo County, California	3,668
San Bernardino County, California	3,501
Riverside County, California	3,375

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.

## Summary<sup>1</sup>

	Percent		Value	
	California	USA	California	USA
<b>Demographics</b>				
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 <sup>2</sup>	—	—	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
<b>Population Growth</b>				
Population (Pop Estimates) <sup>4</sup>	—	—	39,029,342	333,287,557
Population Annual Average Growth <sup>4</sup>	0.3%	0.6%	108,479	1,940,990
People per Square Mile	—	—	250.4	94.3
<b>Educational Attainment, Age 25-64</b>				
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
<b>Social</b>				
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 <sup>3</sup>	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

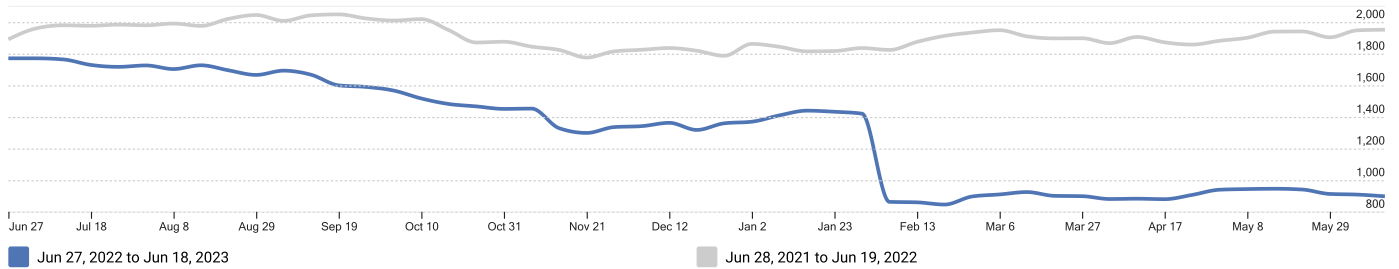
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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



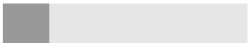
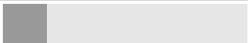
SOC	Occupation	Active Job Ads
11- 9199.02	Compliance Managers	2,262
11- 9199.00	Managers, All Other	2,025
11- 9199.08	Loss Prevention Managers	1,226
25- 1067.00	Sociology Teachers, Postsecondary	514
11- 9199.01	Regulatory Affairs Managers	213
11- 9199.11	Brownfield Redevelopment Specialists and Site Managers	106
11- 9199.09	Wind Energy Operations Managers	102
19- 4061.00	Social Science Research Assistants	96
11- 9199.10	Wind Energy Development Managers	14
19- 3041.00	Sociologists	9

## Locations

Location	Active Job Ads
Los Angeles, California	310
San Francisco, California	276
Oceanside, CA 92056	255
San Diego, California	242
Sacramento, California	152
San Jose, California	133

**Locations**

**Active  
Job  
Ads**

<b>Location</b>		
Irvine, California	130	
Oakland, California	77	
Fremont, California	59	
Fresno, California	56	



### Employers

Employer Name	Active Job Ads	
HomeDepot	439	
MiraCosta College	256	
Abbvie	84	
United Health Group	73	
Marriott	71	
Wal-Mart, Inc	53	
Meta	52	
Amazon.com Services LLC	51	
Target	46	
DICK'S Sporting Goods	32	

### Certifications

Certificate Name	Active Job Ads	
Certification in Cardiopulmonary Resuscitation (CPR)	150	
First Aid Certification	149	
Driver's License	142	
Project Management Professional (PMP)	78	
Certified Information Systems Auditor (CISA)	61	
Loss Prevention Certified (LPC)	59	
Certified Information Systems Security Professional (CISSP)	56	
Licensed Professional Engineer	48	
Certified Information Security Manager (CISM)	43	
Certified Public Accountant (CPA)	43	

### Hard Skills

Skill Name	Active Job Ads	
Microsoft Excel	1,267	
Microsoft Office	1,145	
Microsoft PowerPoint	688	
Microsoft Outlook	473	
Microsoft Word	423	
Closed Circuit Television Systems (CCTV)	421	
Presentation	375	
Loss Prevention	325	
Internal Auditing	306	
Keyboarding/Typing	304	

### Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	4,373	
Cooperative/Team Player	2,619	
Supervision/Management	1,935	
Problem Solving	1,450	
Organization	1,321	
Detail Oriented/Meticulous	1,195	
Interpersonal Relationships/Maintain Relationships	1,139	
Analytical	1,138	
Project Management	1,088	
Self-Motivated/Ability to Work Independently/Self Leadership	993	

### Job Titles

Job Title	Active Job Ads	
Asset Protection Specialist	443	
Loss Prevention Officer	145	
Regional Manager	124	
Compliance Manager	96	
Development Director	88	
Shop Manager	55	
Asset Protection Operations Coach	54	
Loss Prevention Manager	42	
Research Assistant	35	
Area Manager	28	

### Job Types

Type	Active Job Ads	
Full-Time	3,289	
Remote	519	
Permanent	513	
Part-Time	305	
Temporary (unspecified)	158	
Temp-to-Hire	29	
Temporary (long-term)	26	
Temporary (short-term)	19	
Remote Not Indicated	6,048	

### Programs

Program Name	Active Job Ads	
Engineering	482	
Business	364	
Business Administration	293	
Science	189	
Finance	181	
Sociology	172	
Accounting	143	
Biology	143	
Business Management	116	
Chemistry	111	

### Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	3,110	
High school diploma or equivalent	528	
Associate's degree	218	
Master's degree	203	
Doctoral or professional degree	87	
Unspecified/other	2,421	

# 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 06/27/2023 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**

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