



# Education Report

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## History, General

California

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# Definition of History, General, CIP 54.0101

A program that focuses on the general study and interpretation of the past, including the gathering, recording, synthesizing and criticizing of evidence and theories about past events. Includes instruction in historiography; historical research methods; studies of specific periods, issues and cultures; and applications to areas such as historic preservation, public policy, and records administration.

# Awards

The table below is a list of postsecondary awards in CIP 54.0101 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		319	25	\$13,393
California State University-Long Beach		161	3	\$9,171
University of California-Berkeley		131	18	\$17,652
California State University-Fullerton		120	25	\$4,939
California State University-Sacramento		124	18	\$7,778
University of California-Santa Barbara		126	11	\$17,333
University of California-Santa Cruz		119	16	\$19,615
University of California-Riverside		115	9	\$13,502
University of California-Davis		112	8	\$16,640
California State University-Northridge		93	16	\$8,708
San Francisco State University		84	11	\$13,641
University of California-Irvine		81	14	\$11,633
California State University-Los Angeles		67	24	\$2,695
California State University-Fresno		81	8	\$6,336
San Diego State University		67	16	\$6,867
University of California-San Diego		69	11	\$15,632
Bakersfield College	74			\$6,989
California State University-San Bernardino		72		\$3,254
California State University-San Marcos		68	2	\$14,296
California State University-Chico		67	2	\$13,749
California State Polytechnic University-Pomona		61	6	\$12,942
California Polytechnic State University-San Luis Obispo		59	5	\$20,708
Stanford University		37	23	\$14,402
Mt San Antonio College	55			\$5,774
California State University-Bakersfield		50	3	\$7,368
California State University-Stanislaus		46	5	\$7,230
Ashford University		50		\$23,585
Fullerton College	49			\$11,191
Sonoma State University		45	4	\$7,055

Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
San Jose State University		38	10	\$14,603
California State University-Dominguez Hills		46		\$4,500
California State University-East Bay		35	11	\$12,631
Chaffey College	45			\$13,939
Sierra College	45			\$5,921
Mt San Jacinto Community College District	44			\$7,704
Riverside City College	43			\$7,161
Santa Monica College	42			\$6,380
Citrus College	41			\$8,852
Crafton Hills College	39			\$20,456
Grossmont College	39			\$5,999
Long Beach City College	38			\$6,550
Pasadena City College	38			\$6,466
El Camino Community College District	37			\$13,296
College of the Canyons	36			\$6,400
Santa Rosa Junior College	36			\$9,220
College of the Desert	35			\$14,179
California State University-Channel Islands		34		\$14,493
Golden West College	34			\$5,433
Modesto Junior College	33			\$14,421
Saddleback College	33			\$7,918
Orange Coast College	31			\$6,836
Santa Barbara City College	31			\$14,000
Imperial Valley College	30			\$2,300
University of Southern California		18	12	\$26,021
Glendale Community College	29			\$7,823
California State Polytechnic University-Humboldt		28		\$13,904
Norco College	28			\$7,404
Santa Ana College	28			\$6,351
Sacramento City College	27			\$7,788
Moorpark College	26			\$4,856
Clovis Community College	25			\$6,305
Irvine Valley College	25			\$4,860
Loyola Marymount University		25		\$40,180
Merced College	25			\$13,426

Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
Allan Hancock College	24			\$6,629
College of the Sequoias	24			\$5,205
National University		24		\$9,966
East Los Angeles College	23			\$12,028
Cabrillo College	22			\$18,139
Los Angeles Valley College	22			\$11,833
Cuesta College	21			\$14,586
De Anza College	21			\$8,236
Southwestern College	21			\$6,789
University of California-Merced		21		\$11,586
University of San Diego		21		\$34,155
University of San Francisco		21		\$39,825
Fresno City College	20			\$6,391
Santa Clara University		20		\$48,469
Cerritos College	19			\$9,557
Cosumnes River College	19			\$7,223
San Diego Mesa College	19			\$7,663
Vanguard University of Southern California		19		\$20,427
Yuba College	19			\$5,503
Diablo Valley College	18			\$8,878
MiraCosta College	18			\$6,946
Santiago Canyon College	18			\$5,879
American River College	17			\$8,101
California Baptist University		17		\$23,494
Palomar College	17			\$6,659
Rio Hondo College	17			\$7,873
Victor Valley College	17			\$12,848
Chapman University		16		\$40,451
University of Redlands		16		\$21,578
Ventura College	16			\$3,971
Los Angeles Pierce College	15			\$12,995
Oxnard College	15			\$3,441
Porterville College	15			\$5,757
San Diego Miramar College	15			\$7,880
Claremont McKenna College		14		\$21,663
Cypress College	14			\$7,951
Butte College	13			\$10,736

Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
Coastline Community College	13			\$8,953
Concordia University-Irvine		13		\$25,640
Reedley College	13			\$7,089
Solano Community College	13			\$5,950
Antelope Valley Community College District	12			\$6,203
Hartnell College	12			\$7,721
Occidental College		12		\$43,047
Pomona College		12		\$17,000
San Diego City College	12			\$8,370
Westmont College		12		\$33,554
Azusa Pacific University		11		\$27,112
College of the Redwoods	11			\$8,618
Evergreen Valley College	11			\$15,650
Los Angeles Harbor College	11			\$12,787
Monterey Peninsula College	11			\$12,007
Saint Mary's College of California		11		\$25,022
Biola University		10		\$29,123
California Lutheran University		10		\$24,065
Claremont Graduate University			10	
Las Positas College	10			\$7,675
Los Medanos College	10			\$7,231
Napa Valley College	10			\$18,440
Whittier College		10		\$22,091
Chabot College	9			\$8,576
Moreno Valley College	9			\$4,899
University of La Verne		9		\$22,538
Foothill College	8			\$9,820
Mission College	8			\$6,727
Shasta College	8			\$7,973
Woodland Community College	8			\$7,480
Berkeley City College	7			\$13,556
Cuyamaca College	7			\$6,460
Fresno Pacific University		7		\$15,350
West Hills College-Lemoore	7			\$13,571
West Los Angeles College	7			\$10,259
William Jessup University		7		\$27,823

Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
City College of San Francisco	6			\$9,261
College of the Siskiyous	6			\$11,340
Folsom Lake College	6			\$8,276
Gavilan College	6			\$8,705
Point Loma Nazarene University		6		\$34,851
San Joaquin Delta College	6			\$17,503
West Valley College	6			\$6,890
College of San Mateo	5			\$5,427
Mendocino College	5			\$8,465
Notre Dame de Namur University		5		\$28,243
Pepperdine University		5		\$40,945
University of the Pacific		5		\$21,311
Barstow Community College	4			\$9,756
Canada College	4			\$5,923
Contra Costa College	4			\$9,405
Copper Mountain Community College	4			\$8,749
La Sierra University		4		\$25,230
Lassen Community College	4			\$11,495
Madera Community College	4			
Mills College		4		\$25,283
Pitzer College		4		\$19,153
Skyline College	4			\$4,885
Taft College	4			\$7,143
Laney College	3			\$16,494
Pacific Union College		3		\$22,767
San Jose City College	3			\$17,618
College of Alameda	2			\$12,583
College of Marin	2			\$7,717
Columbia College	2			\$10,735
Holy Names University		2		\$21,515
Los Angeles Southwest College	2			\$8,651
Ohlone College	2			\$12,787
Scripps College		2		\$44,770
Simpson University		2		\$25,311
The Master's University and Seminary		2		\$30,748
University of Saint Katherine		2		\$26,616



Schools	Certs & 2yr Awards <sup>1</sup>	4yr Awards <sup>2</sup>	Post-Grad Awards <sup>3</sup>	Avg Net Price <sup>4</sup>
Cerro Coso Community College	1			\$11,710
Dominican University of California		1		\$45,001
Feather River Community College District	1			\$11,415
Los Angeles Trade Technical College	1			\$10,495
California Institute of Technology				\$30,162
Compton College				\$10,875
Mount Saint Mary's University				\$24,508
Woodbury University				\$32,293
<b>Total</b>	<b>1,964</b>	<b>3,008</b>	<b>326</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, History, General, CIP 54.0101.

		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%
19-3093	Historians	Master's degree	None	None	1%	4%	3%	33%	59%
25-1125	History Teachers, Postsecondary	Doctoral or professional degree	None	None	1%	1%	1%	14%	82%
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	Bachelor's degree	None	None	0%	2%	1%	41%	56%
39-7011	Tour Guides and Escorts	High school diploma or equivalent	None	Moderate-term on-the-job training	15%	14%	6%	47%	17%

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 Historians (19-3093)

Research, analyze, record, and interpret the past as recorded in sources, such as government and institutional records, newspapers and other periodicals, photographs, interviews, films, electronic media, and unpublished manuscripts, such as personal diaries and letters.

## Definition of History Teachers, Postsecondary (25-1125)

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

## Definition of Secondary School Teachers, Except Special and Career/Technical Education (25-2031)

Teach one or more subjects to students at the secondary school level.

## Definition of Tour Guides and Escorts (39-7011)

Escort individuals or groups on sightseeing tours or through places of interest, such as industrial establishments, public buildings, and art galleries.

# Occupation Details

As of 2022Q4, total employment for occupations linked to History, General in California was 210,208. Over the past three years, linked occupations added 21,816 jobs in the region and are expected to need in aggregate approximately 121,514 newly trained workers over the next seven years.

Snapshot of Occupations Linked to History, 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 %
25- 2031	Secondary School Teachers, Except Special and Career/Technical Education	105,321	\$100,400	0.85	2,531	2.4%	2,003	-1.0%	52,871	21,638	29,100	2,132	0.3%
11- 9199	Managers, All Other	98,004	\$164,300	1.35	1,405	1.5%	1,378	10.6%	59,926	21,848	33,829	4,248	0.6%
39- 7011	Tour Guides and Escorts	5,346	\$43,300	0.95	395	7.0%	67	-2.7%	7,728	3,114	3,963	651	1.7%
25- 1125	History Teachers, Postsecondary	1,223	\$142,500	0.55	23	1.9%	59	-2.0%	774	394	333	46	0.5%
19- 3093	Historians	314	\$86,200	0.75	1	0.5%	39	-0.9%	216	52	155	10	0.4%
<b>Total - Linked Occupations</b>		<b>210,208</b>	<b>\$129,000</b>	<b>1.02</b>	<b>4,355</b>	<b>2.1%</b>	<b>3,546</b>	<b>3.7%</b>	<b>121,514</b>	<b>47,046</b>	<b>67,380</b>	<b>7,088</b>	<b>0.5%</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>550,676</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®](#)

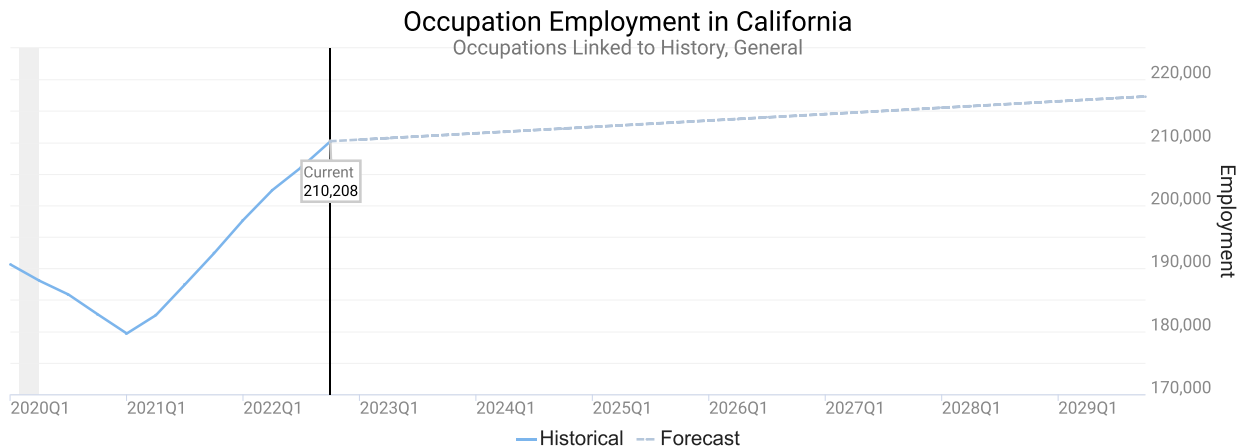
Data as of 2022Q4 unless noted otherwise

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 History, General. The single industry most employing these occupations in the region is Elementary and Secondary Schools, NAICS 6111. This industry employs 104,831 workers in the linked occupations—employment which is expected to increase by 2,976 jobs over the next ten years; furthermore, 72,262 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 History, General in California**

NAICS Code	Industry Title	Current			10-Year Demand		
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	Total Demand
6111	Elementary and Secondary Schools	49.9%	104,831	30,789	41,474	2,976	75,238
5511	Management of Companies and Enterprises	2.6%	5,381	1,687	2,611	134	4,432
5417	Scientific Research and Development Services	2.2%	4,723	1,527	2,388	462	4,378
5416	Management, Scientific, and Technical Consulting Services	2.2%	4,706	1,527	2,373	497	4,397
9221	Justice, Public Order, and Safety Activities	1.7%	3,653	1,155	1,782	-5	2,932
2361	Residential Building Construction	1.7%	3,551	1,103	1,708	32	2,844
5415	Computer Systems Design and Related Services	1.6%	3,342	1,115	1,726	551	3,392
6113	Colleges, Universities, and Professional Schools	1.6%	3,340	1,233	1,615	268	3,116
9211	Executive, Legislative, and Other General Government Support	1.4%	2,938	939	1,448	55	2,443
5613	Employment Services	1.3%	2,655	854	1,310	181	2,344
5611	Office Administrative Services	1.2%	2,592	837	1,295	227	2,359
9281	National Security and International Affairs	1.1%	2,321	709	1,099	-106	1,702
7121	Museums, Historical Sites, and Similar Institutions	1.0%	2,111	1,603	2,079	417	4,099
9231	Administration of Human Resource Programs	1.0%	2,109	671	1,036	21	1,728
6221	General Medical and Surgical Hospitals	0.9%	1,922	601	929	46	1,576
2362	Nonresidential Building Construction	0.7%	1,531	479	742	36	1,257
5413	Architectural, Engineering, and Related Services	0.7%	1,531	473	737	3	1,213
5121	Motion Picture and Video Industries	0.7%	1,525	510	789	246	1,546
7139	Other Amusement and Recreation Industries	0.7%	1,491	856	1,153	148	2,156
5192	Web Search Portals, Libraries, Archives, and Other Information Services	0.7%	1,485	514	796	371	1,682
	All Others	25.0%	52,470	18,038	27,183	3,658	48,879

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.

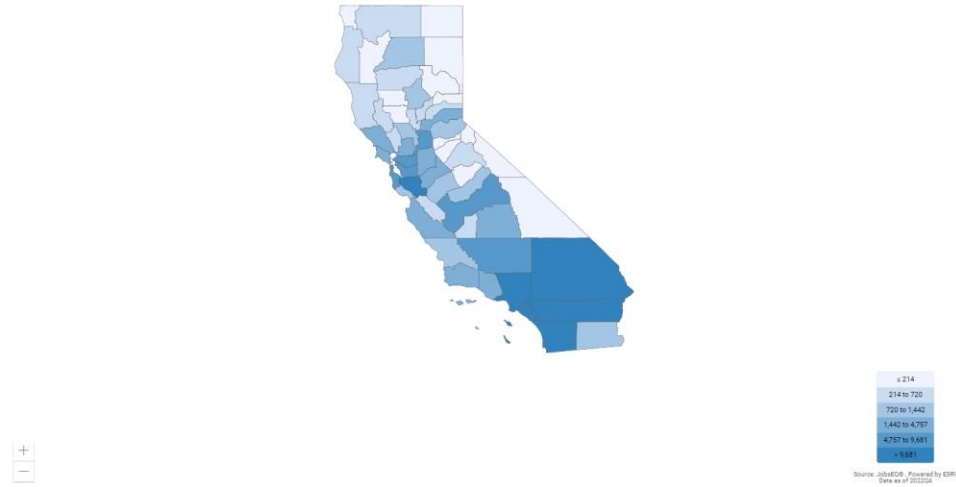
Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with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

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

export



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

Region	Employment
Los Angeles County, California	51,710
San Diego County, California	19,097
Orange County, California	17,719
Santa Clara County, California	13,048
Riverside County, California	9,795
San Bernardino County, California	9,682
Alameda County, California	9,041
Sacramento County, California	8,348
San Francisco County, California	8,034
San Mateo County, California	5,419

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

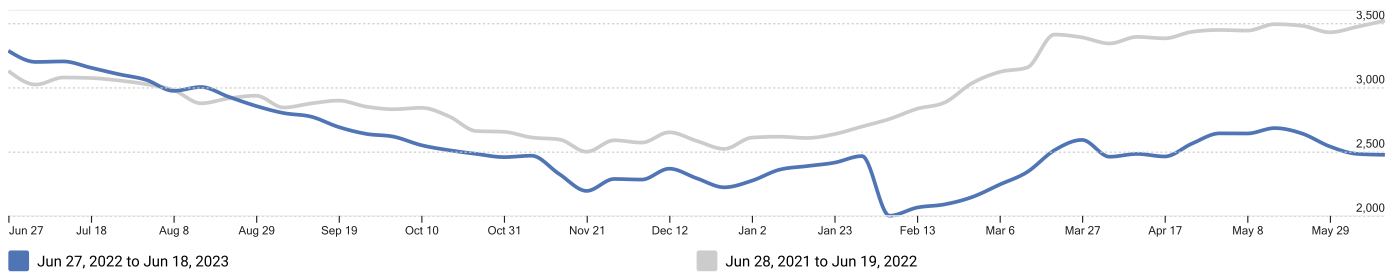
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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
25- 2031.00	Secondary School Teachers, Except Special and Career/Technical Education	7,725
11- 9199.02	Compliance Managers	2,256
11- 9199.00	Managers, All Other	2,025
11- 9199.08	Loss Prevention Managers	1,223
39- 7011.00	Tour Guides and Escorts	398
19- 3093.00	Historians	252
11- 9199.01	Regulatory Affairs Managers	213
25- 1125.00	History Teachers, Postsecondary	159
11- 9199.11	Brownfield Redevelopment Specialists and Site Managers	107
11- 9199.09	Wind Energy Operations Managers	103

## Locations

Location	Active Job Ads
Los Angeles, California	479
San Francisco, California	394
San Diego, California	321
Sacramento, California	222
Oakland, CA 94607	208
San Jose, California	199

**Locations**

**Active  
Job  
Ads**

<b>Location</b>		
Irvine, California	138	
Oakland, California	120	
Fresno, California	88	
Santa Clara, California	61	



## Employers

Employer Name	Active Job Ads	
Oakland Unified School District	522	
HomeDepot	439	
Kaiser Permanente	199	
Fusion Academy	127	
Kern High School District	95	
Bright Star Schools	89	
Abbvie	84	
United Health Group	75	
Marriott	71	
Wal-Mart, Inc	53	

## Certifications

Certificate Name	Active Job Ads	
First Aid Certification	391	
Driver's License	368	
Certification in Cardiopulmonary Resuscitation (CPR)	365	
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	47	
Certified Information Security Manager (CISM)	43	
Certified Public Accountant (CPA)	43	

### Hard Skills

Skill Name	Active Job Ads	
Teaching/Training, School	5,221	
Microsoft Office	1,455	
Microsoft Excel	1,426	
Spanish	897	
Microsoft PowerPoint	768	
Mathematics	680	
Microsoft Word	572	
Microsoft Outlook	556	
Bilingual	528	
English	465	

### Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	7,042	
Cooperative/Team Player	4,237	
Supervision/Management	2,168	
Organization	2,043	
Problem Solving	1,843	
Interpersonal Relationships/Maintain Relationships	1,790	
Self-Motivated/Ability to Work Independently/Self Leadership	1,590	
Adaptability/Flexibility/Tolerance of Change and Uncertainty	1,394	
Detail Oriented/Meticulous	1,393	
Analytical	1,250	

### Job Titles

Job Title	Active Job Ads	
Asset Protection Specialist	443	
Intern I - High School	171	
Loss Prevention Officer	145	
Regional Manager	124	
English Teacher	117	
Compliance Manager	96	
Development Director	87	
High School Teacher	69	
Spanish Teacher	58	
Shop Manager	55	

### Job Types

Type	Active Job Ads	
Full-Time	8,487	
Part-Time	2,233	
Permanent	679	
Temporary (unspecified)	673	
Remote	608	
Temporary (long-term)	236	
Temp-to-Hire	31	
Temporary (short-term)	18	
Remote Not Indicated	13,867	

### Programs

Program Name	Active Job Ads	
Engineering	489	
Business	361	
Science	289	
Business Administration	280	
Biology	276	
Education	228	
Mathematics	204	
Chemistry	192	
Finance	179	
History	152	

### Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	5,449	
High school diploma or equivalent	600	
Associate's degree	518	
Master's degree	514	
Doctoral or professional degree	115	
Unspecified/other	7,279	

# 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 06/28/2023 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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