



Education Report

Geography

California



Definition of Geography, CIP 45.0701..... 3
Awards..... 4
Occupation Crosswalk 7
Occupation Details 8
Employment by Industry 9
Geographic Distribution 10
Demographic Profile..... 11
RTI (Job Postings) 12
California Regional Map 18
FAQ..... 19

Definition of Geography, CIP 45.0701

A program that focuses on the systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life. Includes instruction in historical and political geography, cultural geography, economic and physical geography, regional science, cartographic methods, remote sensing, spatial analysis, and applications to areas such as land-use planning, development studies, and analyses of specific countries, regions, and resources.

Awards

The table below is a list of postsecondary awards in CIP 45.0701 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 |
|--|---------------------------------|-------------------------|-------------------------------|----------------------------|
| University of California-Los Angeles | | 71 | 10 | \$13,393 |
| California State University-Long Beach | | 49 | 9 | \$9,171 |
| Sonoma State University | | 45 | | \$7,055 |
| California State University-Northridge | | 41 | 3 | \$8,708 |
| San Diego State University | | 32 | 12 | \$6,867 |
| San Francisco State University | | 39 | 2 | \$13,641 |
| California State University-Fullerton | | 36 | 3 | \$4,939 |
| California State University-Sacramento | | 37 | | \$7,778 |
| University of California-Santa Barbara | | 10 | 22 | \$17,333 |
| California State Polytechnic University-Pomona | | 24 | | \$12,942 |
| California State Polytechnic University-Humboldt | | 23 | | \$13,904 |
| Pasadena City College | 21 | | | \$6,466 |
| Cerritos College | 16 | | | \$9,557 |
| California State University-Dominguez Hills | | 15 | | \$4,500 |
| California State University-Chico | | 13 | | \$13,749 |
| Orange Coast College | 13 | | | \$6,836 |
| California State University-Los Angeles | | 10 | 2 | \$2,695 |
| Cosumnes River College | 11 | | | \$7,223 |
| California State University-East Bay | | 9 | | \$12,631 |
| California State University-Stanislaus | | 9 | | \$7,230 |
| Fullerton College | 9 | | | \$11,191 |
| Long Beach City College | 9 | | | \$6,550 |
| Saddleback College | 9 | | | \$7,918 |
| Santa Monica College | 9 | | | \$6,380 |
| Ventura College | 9 | | | \$3,971 |
| San Diego Mesa College | 8 | | | \$7,663 |
| Santa Barbara City College | 8 | | | \$14,000 |
| California State University-Fresno | | 6 | | \$6,336 |
| Cypress College | 6 | | | \$7,951 |

| Schools | Certs & 2yr Awards ¹ | 4yr Awards ² | Post-Grad Awards ³ | Avg Net Price ⁴ |
|--|---------------------------------|-------------------------|-------------------------------|----------------------------|
| East Los Angeles College | 6 | | | \$12,028 |
| Santa Ana College | 6 | | | \$6,351 |
| Santiago Canyon College | 6 | | | \$5,879 |
| California State University-San Bernardino | | 5 | | \$3,254 |
| College of the Canyons | 5 | | | \$6,400 |
| Golden West College | 5 | | | \$5,433 |
| Grossmont College | 5 | | | \$5,999 |
| Sacramento City College | 5 | | | \$7,788 |
| San Jose State University | | 3 | 2 | \$14,603 |
| Antelope Valley Community College District | 4 | | | \$6,203 |
| El Camino Community College District | 4 | | | \$13,296 |
| Oxnard College | 4 | | | \$3,441 |
| Palomar College | 4 | | | \$6,659 |
| West Valley College | 4 | | | \$6,890 |
| American River College | 3 | | | \$8,101 |
| Cabrillo College | 3 | | | \$18,139 |
| Chabot College | 3 | | | \$8,576 |
| Chaffey College | 3 | | | \$13,939 |
| Clovis Community College | 3 | | | \$6,305 |
| Los Angeles Valley College | 3 | | | \$11,833 |
| Mt San Antonio College | 3 | | | \$5,774 |
| Riverside City College | 3 | | | \$7,161 |
| Sierra College | 3 | | | \$5,921 |
| Diablo Valley College | 2 | | | \$8,878 |
| Folsom Lake College | 2 | | | \$8,276 |
| Foothill College | 2 | | | \$9,820 |
| Glendale Community College | 2 | | | \$7,823 |
| Imperial Valley College | 2 | | | \$2,300 |
| Merced College | 2 | | | \$13,426 |
| Modesto Junior College | 2 | | | \$14,421 |
| Moorpark College | 2 | | | \$4,856 |
| Ohlone College | 2 | | | \$12,787 |
| Canada College | 1 | | | \$5,923 |
| City College of San Francisco | 1 | | | \$9,261 |
| College of the Desert | 1 | | | \$14,179 |
| Contra Costa College | 1 | | | \$9,405 |

| Schools | Certs & 2yr Awards ¹ | 4yr Awards ² | Post-Grad Awards ³ | Avg Net Price ⁴ |
|---|---------------------------------|-------------------------|-------------------------------|----------------------------|
| Irvine Valley College | 1 | | | \$4,860 |
| Lake Tahoe Community College | 1 | | | \$7,867 |
| Laney College | 1 | | | \$16,494 |
| Los Angeles Pierce College | 1 | | | \$12,995 |
| Mt San Jacinto Community College District | 1 | | | \$7,704 |
| San Bernardino Valley College | 1 | | | \$9,621 |
| San Diego City College | 1 | | | \$8,370 |
| Southwestern College | 1 | | | \$6,789 |
| Victor Valley College | 1 | | | \$12,848 |
| Butte College | | | | \$10,736 |
| College of Alameda | | | | \$12,583 |
| College of Marin | | | | \$7,717 |
| Crafton Hills College | | | | \$20,456 |
| Feather River Community College District | | | | \$11,415 |
| Las Positas College | | | | \$7,675 |
| Los Angeles Southwest College | | | | \$8,651 |
| Mendocino College | | | | \$8,465 |
| MiraCosta College | | | | \$6,946 |
| San Jose City College | | | | \$17,618 |
| Shasta College | | | | \$7,973 |
| Solano Community College | | | | \$5,950 |
| University of California-Berkeley | | | | \$17,652 |
| University of California-Davis | | | | \$16,640 |
| University of Southern California | | | | \$26,021 |
| West Hills College-Coalinga | | | | \$11,458 |
| West Hills College-Lemoore | | | | \$13,571 |
| West Los Angeles College | | | | \$10,259 |
| Total | 244 | 477 | 65 | |

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, Geography, CIP 45.0701.

| | | 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% |
| 17-3031 | Surveying and Mapping Technicians | High school diploma or equivalent | None | Moderate-term on-the-job training | 30% | 29% | 26% | 13% | 3% |
| 19-3092 | Geographers | Bachelor's degree | None | None | 1% | 4% | 3% | 33% | 58% |
| 25-1064 | Geography 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 Surveying and Mapping Technicians (17-3031)

Perform surveying and mapping duties, usually under the direction of an engineer, surveyor, cartographer, or photogrammetrist, to obtain data used for construction, mapmaking, boundary location, mining, or other purposes. May calculate mapmaking information and create maps from source data, such as surveying notes, aerial photography, satellite data, or other maps to show topographical features, political boundaries, and other features. May verify accuracy and completeness of maps.

Definition of Geographers (19-3092)

Study the nature and use of areas of the Earth's surface, relating and interpreting interactions of physical and cultural phenomena. Conduct research on physical aspects of a region, including land forms, climates, soils, plants, and animals, and conduct research on the spatial implications of human activities within a given area, including social characteristics, economic activities, and political organization, as well as researching interdependence between regions at scales ranging from local to global.

Definition of Geography Teachers, Postsecondary (25-1064)

Teach courses in geography. 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 Geography in California was 103,272. Over the past three years, linked occupations added 25,215 jobs in the region and are expected to need in aggregate approximately 64,511 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Geography 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 % |
| 11- 9199 | Managers, All Other | 98,004 | \$164,300 | 1.35 | 1,405 | 1.5% | 1,394 | 10.6% | 59,926 | 21,848 | 33,829 | 4,248 | 0.6% |
| 17- 3031 | Surveying and Mapping Technicians | 4,933 | \$78,500 | 0.68 | 60 | 1.3% | 139 | -2.4% | 4,370 | 1,390 | 2,920 | 59 | 0.2% |
| 25- 1064 | Geography Teachers, Postsecondary | 232 | \$138,000 | 0.53 | 4 | 1.9% | 25 | -1.4% | 146 | 75 | 63 | 9 | 0.5% |
| 19- 3092 | Geographers | 104 | \$95,400 | 0.60 | 0 | n/a | 3 | -2.0% | 68 | 17 | 50 | 1 | 0.2% |
| Total - Linked Occupations | | 103,272 | \$160,100 | 1.28 | 1,470 | 1.5% | 1,561 | 9.8% | 64,511 | 23,330 | 36,863 | 4,318 | 0.6% |
| 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®](#)

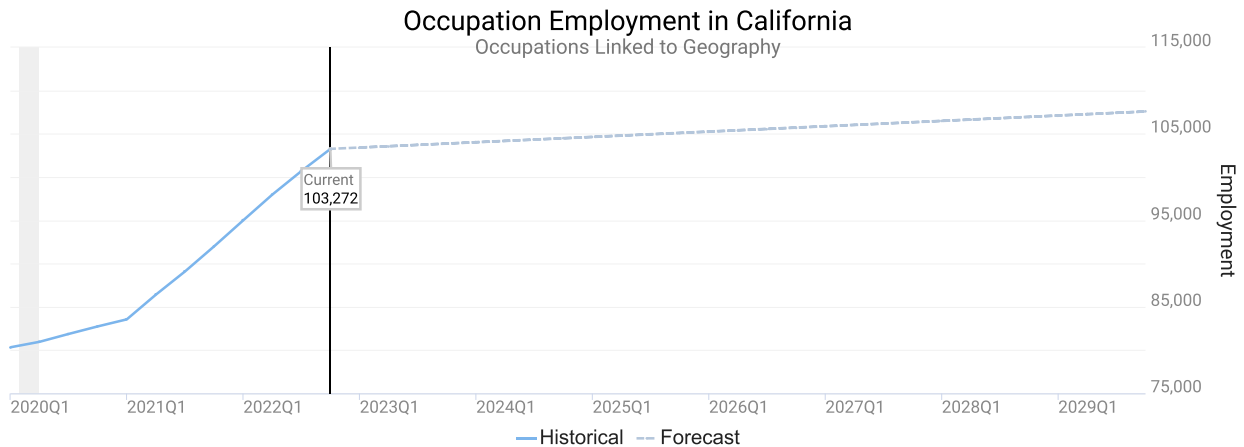
Data as of 2022Q4 unless noted otherwise

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 Geography. The single industry most employing these occupations in the region is Management of Companies and Enterprises, NAICS 5511. This industry employs 5,401 workers in the linked occupations—employment which is expected to increase by 135 jobs over the next ten years; furthermore, 4,324 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 Geography in California

| NAICS Code | Industry Title | Current | | | 10-Year Demand | | |
|------------|---|---------------|--------|--------|----------------|-------------|--------------|
| | | % of Occ Empl | Empl | Exits | Transfers | Empl Growth | Total Demand |
| 5511 | Management of Companies and Enterprises | 5.2% | 5,401 | 1,694 | 2,631 | 135 | 4,459 |
| 5413 | Architectural, Engineering, and Related Services | 4.7% | 4,875 | 1,810 | 3,543 | -1 | 5,352 |
| 5416 | Management, Scientific, and Technical Consulting Services | 4.6% | 4,780 | 1,562 | 2,443 | 510 | 4,514 |
| 5417 | Scientific Research and Development Services | 4.5% | 4,671 | 1,516 | 2,354 | 462 | 4,332 |
| 9221 | Justice, Public Order, and Safety Activities | 3.5% | 3,663 | 1,145 | 1,810 | -3 | 2,952 |
| 2361 | Residential Building Construction | 3.4% | 3,552 | 1,104 | 1,709 | 32 | 2,845 |
| 5415 | Computer Systems Design and Related Services | 3.3% | 3,439 | 1,157 | 1,815 | 568 | 3,540 |
| 9211 | Executive, Legislative, and Other General Government Support | 2.9% | 2,959 | 936 | 1,484 | 57 | 2,477 |
| 5611 | Office Administrative Services | 2.5% | 2,592 | 836 | 1,294 | 227 | 2,357 |
| 5613 | Employment Services | 2.4% | 2,527 | 810 | 1,261 | 170 | 2,242 |
| 6113 | Colleges, Universities, and Professional Schools | 2.4% | 2,471 | 818 | 1,218 | 194 | 2,229 |
| 9281 | National Security and International Affairs | 2.2% | 2,316 | 700 | 1,092 | -106 | 1,685 |
| 9231 | Administration of Human Resource Programs | 2.0% | 2,110 | 663 | 1,048 | 22 | 1,733 |
| 6221 | General Medical and Surgical Hospitals | 1.8% | 1,894 | 593 | 918 | 45 | 1,555 |
| 2362 | Nonresidential Building Construction | 1.5% | 1,544 | 484 | 752 | 37 | 1,273 |
| 5121 | Motion Picture and Video Industries | 1.5% | 1,521 | 506 | 784 | 246 | 1,536 |
| 5192 | Web Search Portals, Libraries, Archives, and Other Information Services | 1.4% | 1,485 | 513 | 795 | 371 | 1,680 |
| 5241 | Insurance Carriers | 1.4% | 1,453 | 466 | 722 | 112 | 1,301 |
| 5419 | Other Professional, Scientific, and Technical Services | 1.4% | 1,428 | 457 | 716 | 81 | 1,254 |
| 5412 | Accounting, Tax Preparation, Bookkeeping, and Payroll Services | 1.4% | 1,397 | 437 | 676 | 30 | 1,143 |
| | All Others | 45.7% | 47,195 | 15,127 | 23,598 | 3,036 | 41,762 |

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.

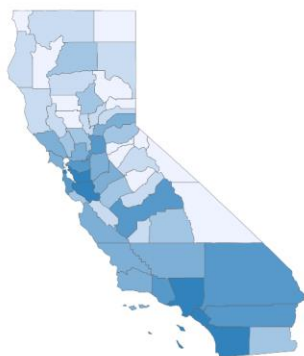
Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with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

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

export



Source: JobsEQ®. Powered by ESRI. Data as of 2022Q4.

Top Counties with Employment Linked to Geography, 2022Q4

| Region | Employment |
|-----------------------------------|------------|
| Los Angeles County, California | 25,469 |
| San Diego County, California | 10,272 |
| Orange County, California | 9,610 |
| Santa Clara County, California | 8,347 |
| San Francisco County, California | 6,018 |
| Alameda County, California | 5,113 |
| Sacramento County, California | 4,386 |
| San Bernardino County, California | 3,555 |
| San Mateo County, California | 3,457 |
| Riverside County, California | 3,395 |

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

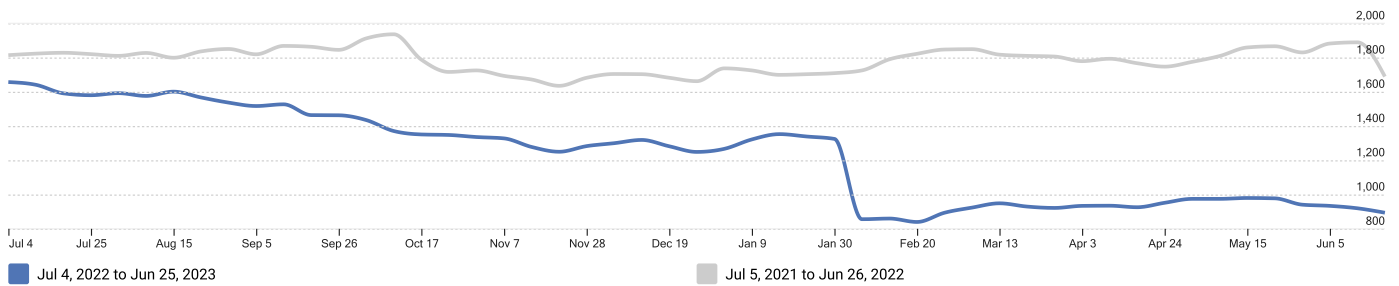
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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

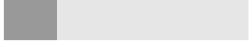
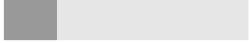
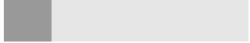
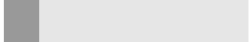
| SOC | Occupation | Active Job Ads |
|-------------|--|----------------|
| 11- 9199.02 | Compliance Managers | 2,213 |
| 11- 9199.00 | Managers, All Other | 2,011 |
| 11- 9199.08 | Loss Prevention Managers | 1,215 |
| 17- 3031.00 | Surveying and Mapping Technicians | 564 |
| 11- 9199.01 | Regulatory Affairs Managers | 206 |
| 11- 9199.11 | Brownfield Redevelopment Specialists and Site Managers | 106 |
| 11- 9199.09 | Wind Energy Operations Managers | 100 |
| 25- 1064.00 | Geography Teachers, Postsecondary | 59 |
| 19- 3092.00 | Geographers | 28 |
| 11- 9199.10 | Wind Energy Development Managers | 14 |

Locations

| Location | Active Job Ads |
|---------------------------|----------------|
| Los Angeles, California | 317 |
| San Francisco, California | 275 |
| San Diego, California | 255 |
| Sacramento, California | 172 |
| San Jose, California | 135 |
| Irvine, California | 127 |

Locations

**Active
Job
Ads**

| Location | | |
|-------------------------|----|---|
| Fresno, California | 69 |  |
| Oakland, California | 69 |  |
| Fremont, California | 62 |  |
| Santa Clara, California | 46 |  |

Employers

| Employer Name | Active Job Ads | |
|----------------------------------|----------------|--|
| HomeDepot | 439 | |
| Abbvie | 84 | |
| Marriott | 70 | |
| United Health Group | 64 | |
| Meta | 51 | |
| Amazon.com Services LLC | 50 | |
| Pacific Gas And Electric Company | 50 | |
| Wal-Mart, Inc | 50 | |
| Target | 46 | |
| Edison International | 38 | |

Certifications

| Certificate Name | Active Job Ads | |
|---|----------------|--|
| Driver's License | 198 | |
| First Aid Certification | 152 | |
| Certification in Cardiopulmonary Resuscitation (CPR) | 150 | |
| Project Management Professional (PMP) | 77 | |
| Certified Information Systems Auditor (CISA) | 60 | |
| Loss Prevention Certified (LPC) | 55 | |
| Certified Information Systems Security Professional (CISSP) | 54 | |
| Licensed Professional Engineer | 44 | |
| Certified Information Security Manager (CISM) | 43 | |
| Certified Public Accountant (CPA) | 43 | |

Hard Skills

| Skill Name | Active Job Ads | |
|--|----------------|--|
| Microsoft Excel | 1,276 | |
| Microsoft Office | 1,210 | |
| Microsoft PowerPoint | 685 | |
| Microsoft Outlook | 475 | |
| Microsoft Word | 439 | |
| Closed Circuit Television Systems (CCTV) | 412 | |
| Presentation | 365 | |
| Loss Prevention | 322 | |
| Internal Auditing | 304 | |
| Auditing | 231 | |

Soft Skills

| Skill Name | Active Job Ads | |
|--|----------------|--|
| Communication (Verbal and written skills) | 4,240 | |
| Cooperative/Team Player | 2,706 | |
| Supervision/Management | 1,920 | |
| Organization | 1,306 | |
| Problem Solving | 1,274 | |
| Detail Oriented/Meticulous | 1,202 | |
| Analytical | 1,141 | |
| Project Management | 1,122 | |
| Interpersonal Relationships/Maintain Relationships | 1,119 | |
| Self-Motivated/Ability to Work Independently/Self Leadership | 1,047 | |

Job Titles

| Job Title | Active Job Ads | |
|-----------------------------------|----------------|--|
| Asset Protection Specialist | 442 | |
| Loss Prevention Officer | 148 | |
| Regional Manager | 126 | |
| Compliance Manager | 92 | |
| Development Director | 89 | |
| Shop Manager | 57 | |
| Asset Protection Operations Coach | 52 | |
| Loss Prevention Manager | 42 | |
| Site Survey Technician | 36 | |
| Survey Technician | 34 | |

Job Types

| Type | Active Job Ads | |
|-------------------------|----------------|--|
| Full-Time | 3,515 | |
| Remote | 554 | |
| Permanent | 534 | |
| Temporary (unspecified) | 152 | |
| Part-Time | 151 | |
| Temp-to-Hire | 27 | |
| Temporary (long-term) | 25 | |
| Temporary (short-term) | 16 | |
| Remote Not Indicated | 5,962 | |

Programs

| Program Name | Active Job Ads | |
|-------------------------|----------------|--|
| Engineering | 489 | |
| Business | 344 | |
| Business Administration | 276 | |
| Science | 184 | |
| Finance | 176 | |
| Accounting | 138 | |
| Geology | 127 | |
| Biology | 122 | |
| Environmental Science | 109 | |
| Business Management | 108 | |

Education Levels

| Minimum Education Level | Active Job Ads | |
|-----------------------------------|----------------|--|
| Bachelor's degree | 2,896 | |
| High school diploma or equivalent | 616 | |
| Associate's degree | 195 | |
| Master's degree | 170 | |
| Doctoral or professional degree | 69 | |
| Unspecified/other | 2,570 | |

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.