

Education Report

Construction Management, General

California



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Definition of Construction Management, General, CIP 52.2001

A program that prepares individuals to manage, coordinate, and supervise the construction process. Includes instruction in commercial, residential, mechanical, highway/heavy civil, electrical, environmental, industrial, and specialty construction; facilities management; budgeting and cost control; logistics and materials management; organization and scheduling; personnel management and labor relations; site safety; construction contracting; construction processes and techniques; and applicable codes and regulations.

Awards

The table below is a list of postsecondary awards in CIP 52.2001 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 Price⁴ |
|--|---------------------------------|-------------------------|-------------------------------|----------------|
| California Polytechnic State University-San Luis Obispo | | 114 | | \$20,708 |
| California State University-East Bay | | 48 | 32 | \$12,631 |
| Newschool of Architecture and Design | | 6 | 24 | \$48,752 |
| San Joaquin Valley College- Visalia | 24 | | | \$25,267 |
| San Joaquin Valley College- Ontario | 15 | | | \$23,525 |
| National University | | 12 | | \$9,966 |
| University of Southern California | | | 11 | \$26,021 |
| Learnet Academy Inc | 1 | | | |
| Total | 40 | 180 | 67 | |

^{1.} Undergraduate certificates and associate's degrees

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.

^{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.

Occupation Crosswalk

The below table lists all occupations linked with the program, Construction Management, General, CIP 52.2001.

| | | Educa | tion and Training Requir | ements | | Educat | ional Attai | nment | |
|---------|-----------------------|---------------------------------------|--|--|------------|-------------------------------|-----------------------|----------------------|-------------------------|
| | | 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 | Postgraduat e Degree |
| 11-9021 | Construction Managers | Bachelor's degree | None | Moderate-term on- | 25% | 17% | 9% | 39% | 10% |

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 Construction Managers (11-9021)

Plan, direct, or coordinate, usually through subordinate supervisory personnel, activities concerned with the construction and maintenance of structures, facilities, and systems. Participate in the conceptual development of a construction project and oversee its organization, scheduling, budgeting, and implementation. Includes managers in specialized construction fields, such as carpentry or plumbing.

Occupation Details

As of 2022Q4, total employment for occupations linked to Construction Management, General in California was 54,127. Over the past three years, linked occupations shed 142 jobs in the region and are expected to need in aggregate approximately 34,192 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Construction Management, General in California¹

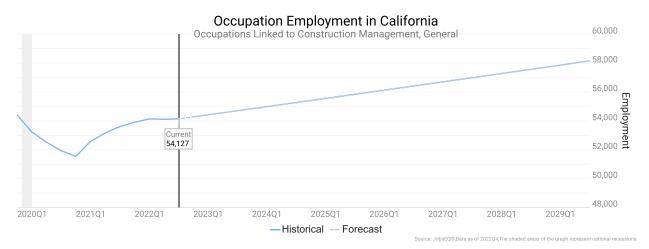
| | Total - All Occupations | 19,219,968 | \$71,900 | 1.00 | 797,161 | 4.1% | 549,411 | 0.6% | 17,029,863 | 6,722,656 | 9,379,252 | 927,955 | 0.7% |
|---------|----------------------------|------------|-----------------------|------|---------|----------------|--------------------------------|-------------------|-----------------|-----------|---------------|----------------|---------------------|
| | Total - Linked Occupations | 54,127 | \$127,900 | 0.96 | 1,435 | 2.6% | 1,157 | -0.1% | 34,192 | 9,131 | 21,041 | 4,019 | 1.0% |
| 11-9021 | Construction Managers | 54,127 | \$127,900 | 0.96 | 1,435 | 2.6% | 1,157 | -0.1% | 34,192 | 9,131 | 21,041 | 4,019 | 1.0% |
| soc | Occupation | Empl | Mean Ann Wages² | LQ | Unempl | Unempl Rate | Online Job Ads ³ | Ann % | Total Demand | Exits | Transfers | Empl Growth | Avg Ann Growth % |
| | | | | Cı | urrent | | | 3-Year History | | 7- | -Year Forecas | t | |

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 add 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.



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 Construction Management, General. The single industry most employing these occupations in the region is Residential Building Construction, NAICS 2361. This industry employs 21,217 workers in the linked occupations—employment which is expected to increase by 1,559 jobs over the next ten years; furthermore, 16,650 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 Construction Management, General in California

| | | Curre | nt | | 10-Year | Demand | |
|---------------|--|---------------|--------|-------|-----------|-------------|--------------|
| NAICS Code | Industry Title | % of Occ Empl | Empl | Exits | Transfers | Empl Growth | Total Demand |
| 2361 | Residential Building Construction | 39.2% | 21,217 | 5,039 | 11,611 | 1,559 | 18,209 |
| 2362 | Nonresidential Building Construction | 18.4% | 9,950 | 2,409 | 5,552 | 1,158 | 9,119 |
| 2382 | Building Equipment Contractors | 8.9% | 4,823 | 1,161 | 2,674 | 493 | 4,328 |
| 2381 | Foundation, Structure, and Building Exterior Contractors | 5.5% | 2,980 | 731 | 1,685 | 437 | 2,852 |
| 2389 | Other Specialty Trade Contractors | 4.2% | 2,296 | 550 | 1,267 | 211 | 2,028 |
| 2383 | Building Finishing Contractors | 4.1% | 2,223 | 539 | 1,242 | 267 | 2,048 |
| 2371 | Utility System Construction | 3.3% | 1,802 | 454 | 1,046 | 375 | 1,874 |
| 2373 | Highway, Street, and Bridge Construction | 2.7% | 1,463 | 364 | 840 | 266 | 1,470 |
| 5413 | Architectural, Engineering, and Related Services | 2.0% | 1,102 | 265 | 610 | 110 | 985 |
| 5511 | Management of Companies and Enterprises | 0.9% | 467 | 114 | 262 | 60 | 437 |
| 2379 | Other Heavy and Civil Engineering Construction | 0.8% | 437 | 108 | 249 | 74 | 432 |
| 5313 | Activities Related to Real Estate | 0.8% | 429 | 104 | 240 | 53 | 398 |
| 2372 | Land Subdivision | 0.8% | 425 | 103 | 238 | 54 | 396 |
| 5416 | Management, Scientific, and Technical Consulting Services | 0.7% | 379 | 97 | 224 | 98 | 420 |
| 9221 | Justice, Public Order, and Safety Activities | 0.6% | 343 | 83 | 192 | 43 | 319 |
| 9211 | Executive, Legislative, and Other General Government Support | 0.6% | 333 | 81 | 187 | 44 | 312 |
| 5613 | Employment Services | 0.5% | 289 | 72 | 166 | 54 | 292 |
| | All Others | 5.9% | 3,170 | 779 | 1,794 | 476 | 3,049 |

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 Construction Management, General. Employment is shown by place of work.

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







Top Counties with Employment Linked to Construction Management, General, 2022Q4

| Region | Employment |
|-----------------------------------|------------|
| Los Angeles County, California | 12,063 |
| Orange County, California | 5,372 |
| San Diego County, California | 4,879 |
| Riverside County, California | 3,475 |
| Santa Clara County, California | 2,614 |
| San Bernardino County, California | 2,483 |
| Alameda County, California | 2,438 |
| Sacramento County, California | 2,338 |
| San Francisco County, California | 1,807 |
| Contra Costa County, California | 1,652 |

Source: JobsEQ⁶

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

| Demographics Fopulation (ACS) ———————————————————————————————————— | | Percent | | Value | • |
|---|---|------------|-------|------------|-------------|
| 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 Age² — — 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 Annual Average Growth ⁴ 0.3% 0.6% 108,479 1,940,990 People per Square Mile — — 250.4 94.3 | | California | USA | California | USA |
| Male 49.7% 49.2% 19,562,882 160,818,530 Female 50.3% 50.8% 19,783,141 165,750,778 Median Age² — — 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 Annual Average Growth ⁴ 0.3% 0.6% 108,479 1,940,990 People per Square Mile — — 250.4 94.3 | Demographics | | | | |
| Female 50.3% 50.8% 19,783,141 165,750,778 Median Age² — — — 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 Annual Average Growth ⁴ 0.3% 0.6% 108,479 1,940,990 People per Square Mile — — 250.4 94.3 | Population (ACS) | _ | _ | 39,346,023 | 326,569,308 |
| Median Age² — — 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 | Male | 49.7% | 49.2% | 19,562,882 | 160,818,530 |
| 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 Growth4 0.3% 0.6% 108,479 1,940,990 People per Square Mile — — — 250.4 94.3 | Female | 50.3% | 50.8% | 19,783,141 | 165,750,778 |
| 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 Growth4 0.3% 0.6% 108,479 1,940,990 People per Square Mile — — 250.4 94.3 | Median Age ² | _ | _ | 36.7 | 38.2 |
| 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 | Under 18 Years | 22.8% | 22.4% | 8,956,641 | 73,296,738 |
| 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 | 18 to 24 Years | 9.5% | 9.3% | 3,724,239 | 30,435,736 |
| 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 | 25 to 34 Years | 15.3% | 13.9% | 6,007,913 | 45,485,165 |
| 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 | 35 to 44 Years | 13.3% | 12.7% | 5,233,903 | 41,346,677 |
| 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 | 45 to 54 Years | 12.8% | 12.7% | 5,039,155 | 41,540,736 |
| 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 | 55 to 64 Years | 12.0% | 12.9% | 4,739,675 | 42,101,439 |
| 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 | 65 to 74 Years | 8.3% | 9.4% | 3,270,380 | 30,547,950 |
| Population Annual Average Growth ⁴ 0.3% 0.6% 108,479 1,940,990 People per Square Mile - - - 250.4 94.3 | Population Growth | | | | |
| People per Square Mile - - 250.4 94.3 | Population (Pop Estimates) ⁴ | _ | _ | 39,029,342 | 333,287,557 |
| | Population Annual Average Growth ⁴ | 0.3% | 0.6% | 108,479 | 1,940,990 |
| Educational Attainment Acc 25 CA | People per Square Mile | _ | _ | 250.4 | 94.3 |
| Educational Attainment, Age 25-64 | Educational Attainment, Age 25-64 | | | | |
| No High School Diploma 15.2% 10.5% 3,199,850 17,929,220 | 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 | 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 | 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 | 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 | 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 | Postgraduate Degree | 12.9% | 12.7% | 2,706,412 | 21,630,870 |
| Social | Social | | | | |
| Poverty Level (of all people) 12.6% 12.8% 4,853,434 40,910,326 | 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 | 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 | 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 | 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 | 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 | 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 | Speak English Less Than Very Well (population 5 yrs and over) | 17.4% | 8.2% | 6,432,102 | 25,312,024 |

Source: JobsEQ®

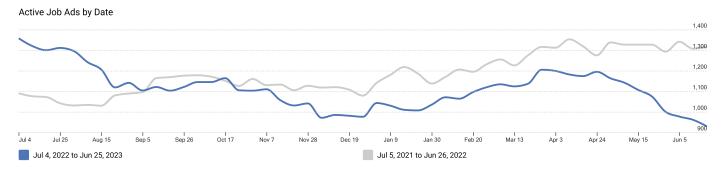
^{1.} American Community Survey 2016-2020, unless noted otherwise

^{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)



Occupations

| | | Active |
|---------|----------------------------|--------|
| | | Job |
| SOC | Occupation | Ads |
| 11-9021 | 1.00 Construction Managers | 6,635 |

Locations

| | Active Job |
|---------------------------|---------------|
| Location | Ads |
| Los Angeles, California | 416 |
| San Diego, California | 221 |
| Sacramento, California | 212 |
| San Francisco, California | 210 |
| Irvine, California | 154 |
| San Jose, California | 128 |
| Newport Beach, California | 88 |
| Fresno, California | 64 |
| Anaheim, California | 60 |
| Oakland, California | 60 |

Employers

| | Active |
|------------------------------------|--------|
| | Job |
| Employer Name | Ads |
| Jobot | 476 |
| Cybercoders | 314 |
| gpac | 223 |
| CBRE | 172 |
| goblusky | 172 |
| Pacific Gas And Electric Company | 68 |
| CDM Smith | 52 |
| Jacobs | 51 |
| Vanir Construction Management Inc. | 48 |
| AECOM | 46 |

Certifications

| Contificate Name | Active Job |
|--|---------------|
| Certificate Name | Ads |
| Project Management Professional (PMP) | 265 |
| Driver's License | 239 |
| Certified Construction Manager (CCM) | 221 |
| Licensed Professional Engineer | 155 |
| LEED Accredited Professional (not specified) | 109 |
| OSHA 30 | 91 |
| OSHA 10 | 57 |
| First Aid Certification | 46 |
| Certification in Cardiopulmonary Resuscitation (CPR) | 42 |
| Institute of Inspection Cleaning and Restoration Certification (IICRC) Certified | 13 |

Hard Skills

| | Active Job | |
|-------------------------|---------------|--|
| Skill Name | Ads | |
| Microsoft Office | 1,657 | |
| Microsoft Excel | 1,438 | |
| Microsoft Project | 1,223 | |
| Microsoft Outlook | 661 | |
| Microsoft Word | 553 | |
| Microsoft PowerPoint | 379 | |
| Commercial Construction | 372 | |
| Autodesk AutoCAD | 329 | |
| Change Management | 263 | |
| Finance | 260 | |

Soft Skills

| SOIT SKIIIS | |
|--|---------------|
| | Active Job |
| Skill Name | Ads |
| Communication (Verbal and written skills) | 4,292 |
| Project Management | 3,622 |
| Supervision/Management | 2,862 |
| Cooperative/Team Player | 2,018 |
| Organization | 1,585 |
| Negotiation | 1,557 |
| Problem Solving | 1,067 |
| Detail Oriented/Meticulous | 992 |
| Punctual | 857 |
| Self-Motivated/Ability to Work Independently/Self Leadership | 815 |

Job Titles

| Job Title | Active Job Ads | |
|----------------------------------|----------------------|--|
| Project Manager | 420 | |
| Construction Project Manager | 330 | |
| Construction Manager | 247 | |
| Construction Project Director | 164 | |
| Assistant Project Manager | 94 | |
| Project Manager - Construction | 66 | |
| Preconstruction Manager | 65 | |
| Construction Project Coordinator | 60 | |
| Construction Project Engineer | 59 | |
| Senior Project Manager | 51 | |

Job Types

| | Active Job |
|-------------------------|---------------|
| Туре | Ads |
| Full-Time | 4,263 |
| Permanent | 508 |
| Temporary (unspecified) | 178 |
| Remote | 169 |
| Part-Time | 97 |
| Temporary (long-term) | 27 |
| Temp-to-Hire | 15 |
| Temporary (short-term) | 10 |
| Remote Not Indicated | 6,466 |

Programs

| | Active Job |
|-------------------------|---------------|
| Program Name | Ads |
| Construction Management | 1,904 |
| Engineering | 1,364 |
| Architecture | 794 |
| Civil Engineering | 570 |
| Business | 317 |
| Construction | 228 |
| Mechanical Engineering | 199 |
| Marketing | 171 |
| Business Administration | 134 |
| Project Management | 70 |

Education Levels

| Minimum Education Level | Active Job Ads | |
|-----------------------------------|----------------------|--|
| Bachelor's degree | 3,154 | |
| High school diploma or equivalent | 642 | |
| Associate's degree | 161 | |
| Master's degree | 25 | |
| Unspecified/other | 2,653 | |

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 06/29/2023 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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