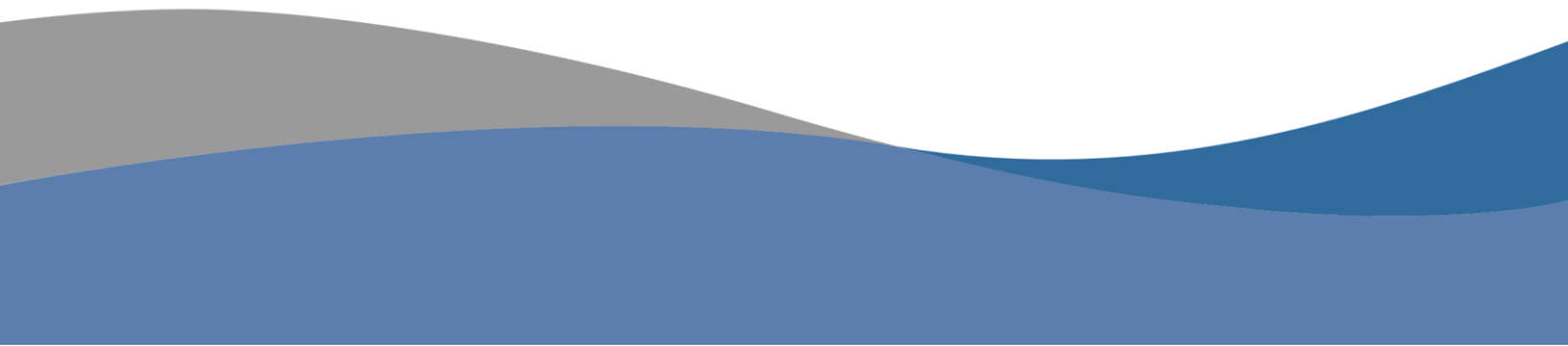




Education Report

Elementary Education and Teaching

California



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Definition of Elementary Education and Teaching, CIP 13.1202

A program that prepares individuals to teach students in the elementary grades, which may include kindergarten through grade eight, depending on the school system or state regulations. Includes preparation to teach all elementary education subject matter.

Awards

The table below is a list of postsecondary awards in CIP 13.1202 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 Massachusetts Global			191	\$26,346
Saint Mary's College of California		85	39	\$25,022
Alder Graduate School of Education			83	
University of La Verne			58	\$22,538
Santa Clara University			57	\$48,469
Fresno Pacific University		50		\$15,350
Point Loma Nazarene University		50		\$34,851
National University		24	14	\$9,966
Loyola Marymount University			29	\$40,180
William Jessup University		28		\$27,823
Biola University		27		\$29,123
MiraCosta College	24			\$6,946
Chapman University			21	\$40,451
University of the Pacific		20		\$21,311
Stanford University			16	\$14,402
Concordia University-Irvine			10	\$25,640
San Diego Christian College	8			\$34,564
University of San Francisco			8	\$39,825
Pacific Union College		7		\$22,767
Holy Names University		6		\$21,515
Westmont College	6			\$33,554
University of Redlands	2			\$21,578
California Baptist University				\$23,494
Hope International University				\$18,801
La Sierra University				\$25,230
Mount Saint Mary's University				\$24,508
University of Southern California				\$26,021
Total	40	297	526	

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, Elementary Education and Teaching, CIP 13.1202.

		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
25-1081	Education Teachers, Postsecondary	Doctoral or professional degree	Less than 5 years	None	1%	1%	1%	14%	83%
25-2021	Elementary School Teachers, Except Special Education	Bachelor's degree	None	None	0%	2%	2%	45%	51%

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 Education Teachers, Postsecondary (25-1081)

Teach courses pertaining to education, such as counseling, curriculum, guidance, instruction, teacher education, and teaching English as a second language. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

Definition of Elementary School Teachers, Except Special Education (25-2021)

Teach academic and social skills to students at the elementary school level.

Occupation Details

As of 2022Q4, total employment for occupations linked to Elementary Education and Teaching in California was 157,366. Over the past three years, linked occupations shed 5,182 jobs in the region and are expected to need in aggregate approximately 84,100 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Elementary Education and Teaching 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 %
25- 2021	Elementary School Teachers, Except Special Education	152,535	\$91,500	0.94	4,194	2.7%	3,181	-1.1%	80,989	36,628	42,015	2,346	0.2%
25- 1081	Education Teachers, Postsecondary	4,831	\$98,800	0.70	90	1.9%	131	-1.0%	3,110	1,565	1,322	224	0.6%
Total - Linked Occupations		157,366	\$91,700	0.93	4,284	2.7%	3,312	-1.1%	84,100	38,193	43,336	2,570	0.2%
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%

Source: [JobsEQ®](#)

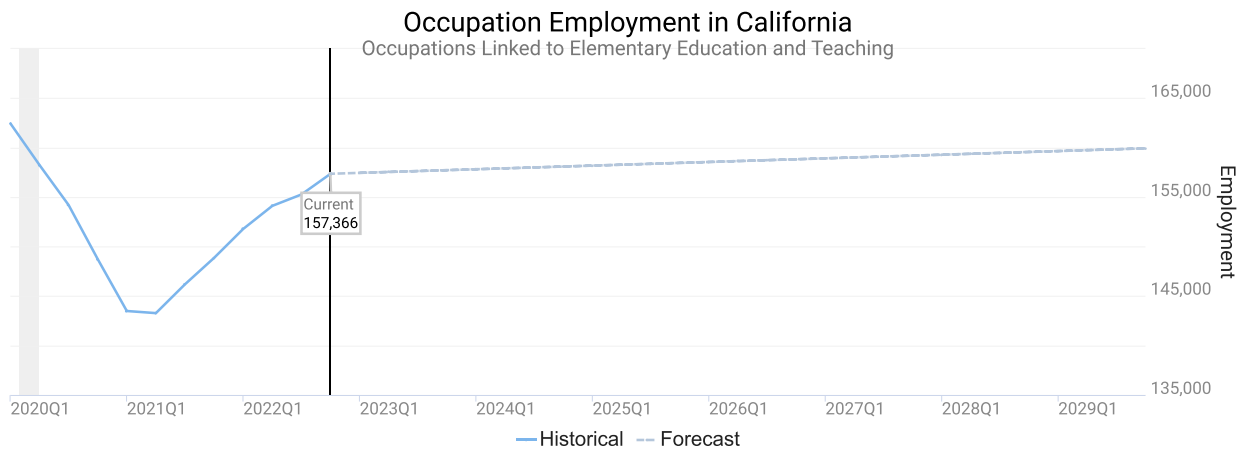
Data as of 2022Q4 unless noted otherwise

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 Elementary Education and Teaching. The single industry most employing these occupations in the region is Elementary and Secondary Schools, NAICS 6111. This industry employs 150,917 workers in the linked occupations—employment which is expected to increase by 3,376 jobs over the next ten years; furthermore, 111,203 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 Elementary Education and Teaching 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	95.9%	150,917	51,793	59,410	3,376	114,578
6113	Colleges, Universities, and Professional Schools	2.6%	4,063	1,886	1,601	333	3,820
8131	Religious Organizations	0.7%	1,106	364	418	-67	715
6112	Junior Colleges	0.5%	813	363	306	-8	661
	All Others	0.3%	467	171	191	52	413

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.

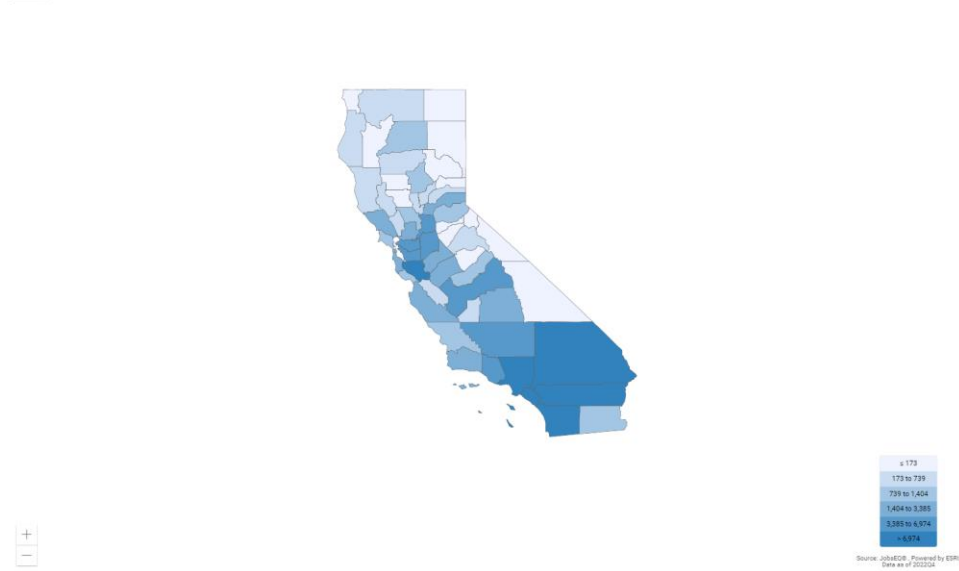
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Geographic Distribution

The map below illustrates the county-level distribution of employed workers in California in occupations linked to Elementary Education and Teaching. Employment is shown by place of work.

California, Occupation Concentration by Place of Work for Occupations Linked to Elementary Education and Teaching



Top Counties with Employment Linked to Elementary Education and Teaching, 2022Q4

Region	Employment
Los Angeles County, California	38,434
San Diego County, California	12,881
Orange County, California	12,036
Riverside County, California	9,483
San Bernardino County, California	9,173
Santa Clara County, California	6,975
Alameda County, California	5,824
Sacramento County, California	5,767
Fresno County, California	5,227
Kern County, California	4,877

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

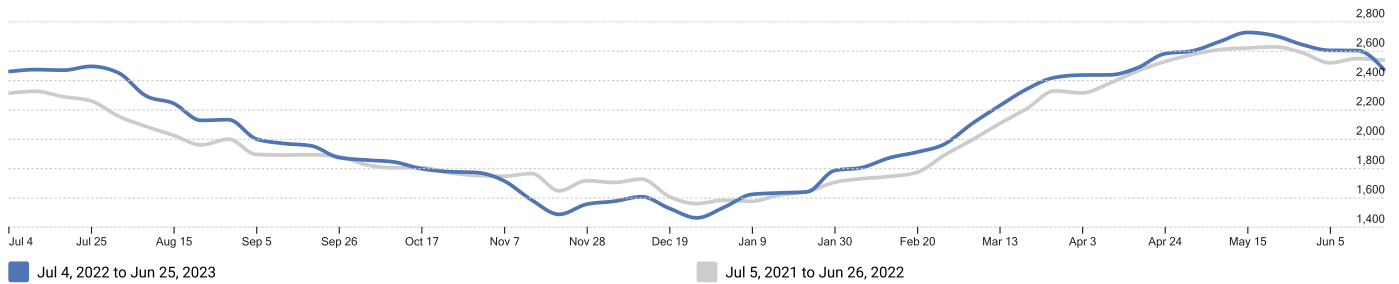
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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
25- 2021.00	Elementary School Teachers, Except Special Education	11,228
25- 1081.00	Education Teachers, Postsecondary	447

Locations

Location	Active Job Ads
Oakland, CA 94607	256
Los Angeles, California	129
San Francisco, California	128
90010	59
San Jose, California	55
93960-0186	52
92117	39
94109	39
91786-4764	37
95381-9013	36

Employers

Employer Name	Active Job Ads	
Oakland Unified School District	659	
C2educate	116	
San Francisco Unified School District	68	
Hemet Unified School District	61	
California Weekly Explorer	53	
Archdiocese of Los Angeles (Department of Catholic Schools)	52	
Soledad Unified School District	52	
Archdiocese of San Francisco Department of Catholic Schools	49	
Aspire Public Schools	49	
Bright Star Schools	46	

Certifications

Certificate Name	Active Job Ads	
First Aid Certification	374	
Certification in Cardiopulmonary Resuscitation (CPR)	368	
Driver's License	176	
Board Certified Behavior Analyst (BCBA)	13	
AED Essentials	8	
Child Development Associate (CDA)	4	
Adult CPR	3	
Certified Occupational Therapy Assistant (COTA)	3	
Certified Personal Trainer (CPT)	3	
Licensed Clinical Social Worker (LCSW)	3	

Hard Skills

Skill Name	Active Job Ads	
Teaching/Training, School	7,814	
Spanish	1,158	
Bilingual	824	
Mathematics	687	
Working With Children	440	
Classroom Management	383	
English	345	
Microsoft Office	159	
Microsoft Excel	157	
Ability to Lift 21-30 lbs.	156	

Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	3,518	
Cooperative/Team Player	1,976	
Organization	1,053	
Interpersonal Relationships/Maintain Relationships	791	
Listening	712	
Adaptability/Flexibility/Tolerance of Change and Uncertainty	665	
Self-Motivated/Ability to Work Independently/Self Leadership	644	
Problem Solving	625	
Persistence/Perseverance/Resilience	552	
Coaching/Mentoring	491	

Job Titles

Job Title	Active Job Ads	
Elementary School Teacher	184	
Elementary Teacher	118	
Teacher	101	
Spanish Teacher	69	
5th Grade Teacher	57	
Presenter Teacher Performer	52	
3rd Grade Teacher	41	
Music Teacher	40	
4th Grade Teacher	39	
2nd Grade Teacher	36	

Job Types

Type	Active Job Ads	
Full-Time	7,718	
Part-Time	3,061	
Temporary (unspecified)	559	
Temporary (long-term)	380	
Permanent	129	
Remote	91	
Temporary (short-term)	7	
Remote Not Indicated	11,584	

Programs

Program Name	Active Job Ads	
Education	384	
Mathematics	107	
Physical Education	97	
Special Education	83	
Psychology	70	
Elementary Education	63	
Music	52	
Social Work	50	
Child Development	47	
Early Childhood Education	39	

Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	3,353	
Master's degree	559	
Associate's degree	495	
Doctoral or professional degree	120	
Unspecified/other	7,148	

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

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.