



# Education Report

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# Family and Consumer Sciences/Human Sciences, General

California

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# Definition of Family and Consumer Sciences/Human Sciences, General, CIP 19.0101

A general program that focuses on family and consumer sciences, including how individuals develop and function in family, work, and community settings and how they relate to their physical, social, emotional, and intellectual environments.

# Awards

The table below is a list of postsecondary awards in CIP 19.0101 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>
California State University-Long Beach		445		\$9,171
California State University-Northridge		182	10	\$8,708
California State University-Sacramento		70		\$7,778
San Francisco State University		18	1	\$13,641
Shasta College	19			\$7,973
San Joaquin Delta College	11			\$17,503
California State University-Fresno		10		\$6,336
Antelope Valley Community College District	1			\$6,203
Allan Hancock College				\$6,629
California State University-Los Angeles				\$2,695
Chaffey College				\$13,939
Long Beach City College				\$6,550
Mt San Antonio College				\$5,774
Orange Coast College				\$6,836
Saddleback College				\$7,918
Santa Ana College				\$6,351
<b>Total</b>	<b>31</b>	<b>725</b>	<b>11</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, Family and Consumer Sciences/Human Sciences, General, CIP 19.0101.

		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
25-1192	Family and Consumer Sciences 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%
25-9021	Farm and Home Management Educators	Master's degree	None	None	3%	4%	3%	29%	61%

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 Family and Consumer Sciences Teachers, Postsecondary (25-1192)

Teach courses in childcare, family relations, finance, nutrition, and related subjects pertaining to home management. 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 Farm and Home Management Educators (25-9021)

Instruct and advise individuals and families engaged in agriculture, agricultural-related processes, or home management activities. Demonstrate procedures and apply research findings to advance agricultural and home management activities. May develop educational outreach programs. May instruct on either agricultural issues such as agricultural processes and techniques, pest management, and food safety, or on home management issues such as budgeting, nutrition, and child development.

# Occupation Details

As of 2022Q4, total employment for occupations linked to Family and Consumer Sciences/Human Sciences, General in California was 106,954. Over the past three years, linked occupations shed 3,327 jobs in the region and are expected to need in aggregate approximately 53,906 newly trained workers over the next seven years.

**Snapshot of Occupations Linked to Family and Consumer Sciences/Human Sciences, 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%	1,987	-1.0%	52,871	21,638	29,100	2,132	0.3%
25-9021	Farm and Home Management Educators	1,208	\$76,200	0.87	46	3.7%	16	-0.8%	770	414	355	1	0.0%
25-1192	Family and Consumer Sciences Teachers, Postsecondary	425	\$155,500	1.17	8	1.9%	38	-2.7%	265	136	115	13	0.4%
<b>Total - Linked Occupations</b>		<b>106,954</b>	<b>\$100,400</b>	<b>0.85</b>	<b>2,586</b>	<b>2.4%</b>	<b>2,041</b>	<b>-1.0%</b>	<b>53,906</b>	<b>22,189</b>	<b>29,570</b>	<b>2,146</b>	<b>0.3%</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>549,185</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®](#)

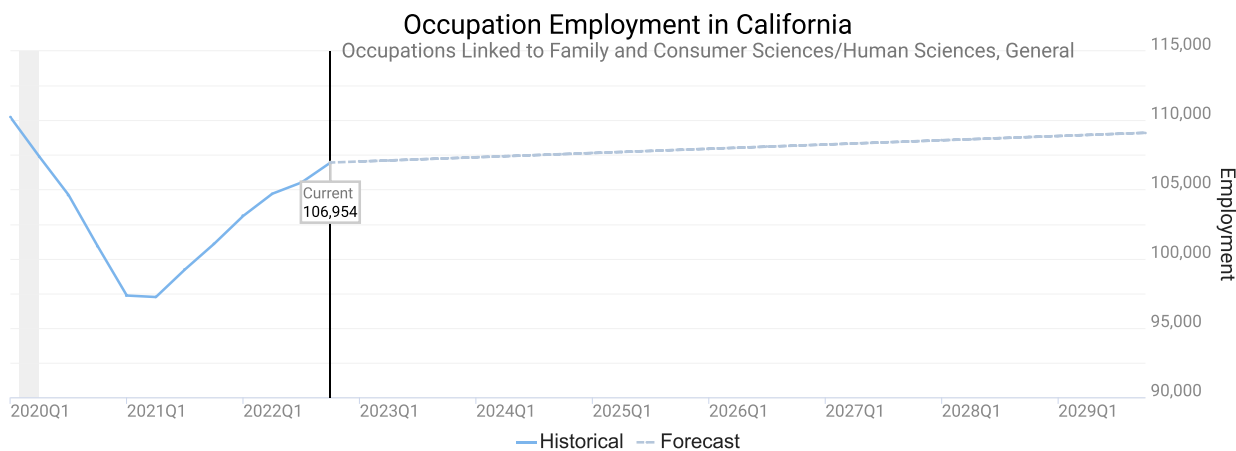
Data as of 2022Q4 unless noted otherwise

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.



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 Family and Consumer Sciences/Human Sciences, General. The single industry most employing these occupations in the region is Elementary and Secondary Schools, NAICS 6111. This industry employs 103,784 workers in the linked occupations—employment which is expected to increase by 2,934 jobs over the next ten years; furthermore, 71,422 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 Family and Consumer Sciences/Human Sciences, 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	97.0%	103,784	30,460	40,962	2,934	74,356
6113	Colleges, Universities, and Professional Schools	1.2%	1,324	614	547	31	1,192
8131	Religious Organizations	0.7%	714	212	285	35	531
	All Others	1.1%	1,132	422	462	79	963

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.

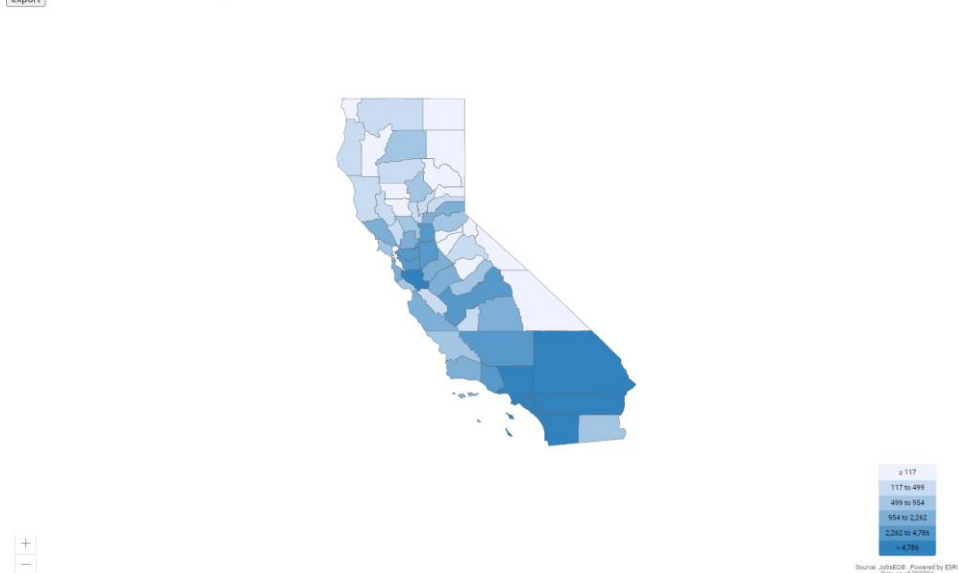
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# Geographic Distribution

The map below illustrates the county-level distribution of employed workers in California in occupations linked to Family and Consumer Sciences/Human Sciences, General. Employment is shown by place of work.

California, Occupation Concentration by Place of Work for Occupations Linked to Family and Consumer Sciences/Human Sciences, General



## Top Counties with Employment Linked to Family and Consumer Sciences/Human Sciences, General, 2022Q4

Region	Employment
Los Angeles County, California	26,038
San Diego County, California	8,716
Orange County, California	8,297
Riverside County, California	6,375
San Bernardino County, California	6,152
Santa Clara County, California	4,787
Alameda County, California	4,029
Sacramento County, California	4,013
Fresno County, California	3,480
Kern County, California	3,246

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

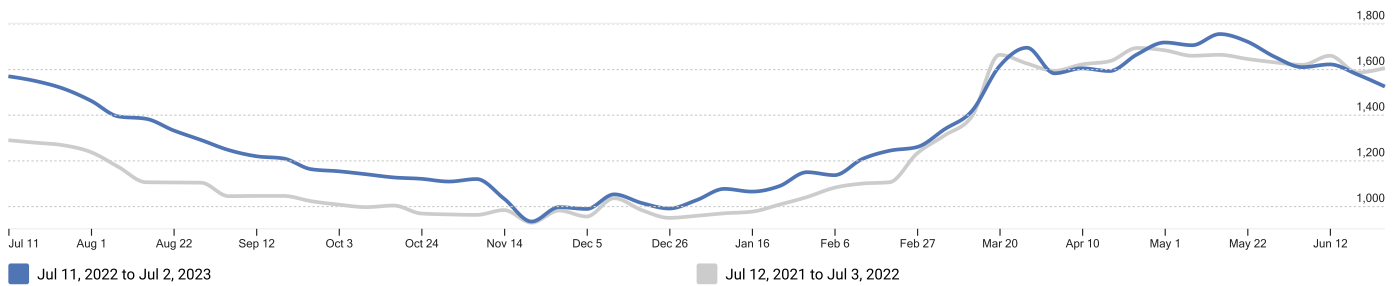
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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	7,722
25- 1192.00	Family and Consumer Sciences Teachers, Postsecondary	73
25- 9021.00	Farm and Home Management Educators	56

## Locations

Location	Active Job Ads
Oakland, CA 94607	210
Los Angeles, California	138
San Francisco, California	66
4351 Broadway, Oakland, CA 94611	59
San Jose, California	53
Oakland, California	48
8601 MacArthur Blvd, Oakland, CA 94605	47
95133-1316	45
12250 Skyline Blvd, Oakland, CA 94619	42
4610 Foothill Blvd, Oakland, CA 94601	38

## Employers

Employer Name	Active Job Ads	
Oakland Unified School District	521	
Kaiser Permanente	182	
Fusion Academy	129	
Kern High School District	98	
Bright Star Schools	90	
C2educate	54	
East Side High School District	51	
GetSelected.com	47	
Leadership Public Schools	41	
Elk Grove Unified School District	39	

## Certifications

Certificate Name	Active Job Ads	
First Aid Certification	224	
Driver's License	211	
Certification in Cardiopulmonary Resuscitation (CPR)	206	
Registered Dietitian (RD)	17	
Certified Pesticide Applicator	8	
ServSafe Food Protection Manager Certification	7	
Licensed Clinical Social Worker (LCSW)	6	
Secret Clearance	5	
Food Safety Manager Certification	3	
AED Essentials	2	

### Hard Skills

Skill Name	Active Job Ads	
Teaching/Training, School	5,210	
Spanish	719	
Mathematics	561	
Bilingual	488	
English	342	
Microsoft Office	275	
Calculators	258	
Working With Children	171	
Microsoft Excel	158	
Data Analysis	149	

### Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	2,705	
Cooperative/Team Player	1,533	
Clerical	687	
Organization	672	
Interpersonal Relationships/Maintain Relationships	637	
Problem Solving	592	
Self-Motivated/Ability to Work Independently/Self Leadership	563	
Listening	511	
Critical Thinking	488	
Adaptability/Flexibility/Tolerance of Change and Uncertainty	485	

### Job Titles

Job Title	Active Job Ads	
Intern I - High School	171	
English Teacher	114	
High School Teacher	69	
Spanish Teacher	54	
Science Teacher	50	
TEACHER (HIGH SCHOOL-GENERAL EDUCATION) (CORRECTIONAL FACILITY)	50	
High School Science Teacher	35	
High School English Teacher	31	
Chemistry Teacher	28	
Biology Teacher	26	

### Job Types

Type	Active Job Ads	
Full-Time	4,997	
Part-Time	1,922	
Temporary (unspecified)	476	
Temporary (long-term)	217	
Permanent	154	
Remote	92	
Temporary (short-term)	3	
Remote Not Indicated	7,759	

### Programs

Program Name	Active Job Ads	
Education	221	
Mathematics	155	
Biology	154	
Chemistry	128	
Science	98	
English	90	
Psychology	75	
Social Work	68	
History	51	
Social Science	46	

### Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	2,554	
Associate's degree	375	
Master's degree	305	
Doctoral or professional degree	29	
High school diploma or equivalent	3	
Unspecified/other	4,585	

# 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 07/06/2023 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.