



Education Report

Political Science and Government, General

California



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Definition of Political Science and Government, General, CIP 45.1001

A general program that focuses on the systematic study of political institutions and behavior. Includes instruction in political philosophy, political theory, comparative government and politics, political parties and interest groups, public opinion, political research methods, studies of the government and politics of specific countries, and studies of specific political institutions and processes.

Awards

The table below is a list of postsecondary awards in CIP 45.1001 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		690	23	\$13,393
University of California-Berkeley		496	41	\$17,652
University of California-San Diego		395	14	\$15,632
University of California-Irvine		349	12	\$11,633
University of California-Santa Barbara		315	13	\$17,333
University of California-Davis		274	5	\$16,640
University of California-Riverside		248	8	\$13,502
Santa Monica College	219			\$6,380
California State University-Northridge		202	12	\$8,708
University of California-Santa Cruz		196	5	\$19,615
California State University-Long Beach		194	6	\$9,171
California State University-Sacramento		156	11	\$7,778
San Diego State University		155	7	\$6,867
California State University-Fullerton		122	9	\$4,939
San Francisco State University		121	10	\$13,641
University of Southern California		121		\$26,021
California State University-Los Angeles		93	9	\$2,695
Santa Clara University		102		\$48,469
California Polytechnic State University-San Luis Obispo		96		\$20,708
San Jose State University		95		\$14,603
University of California-Merced		92	2	\$11,586
California State Polytechnic University-Pomona		93		\$12,942
California State University-Chico		83	8	\$13,749
Loyola Marymount University		90		\$40,180
Stanford University		59	27	\$14,402
California State University-San Marcos		85		\$14,296
Chapman University		69		\$40,451
University of San Diego		63		\$34,155
Saddleback College	60			\$7,918

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
California State University-East Bay		59		\$12,631
California State University-San Bernardino		56		\$3,254
East Los Angeles College	56			\$12,028
California State University-Fresno		54		\$6,336
University of San Francisco		50		\$39,825
California State University-Channel Islands		47		\$14,493
Diablo Valley College	47			\$8,878
Pasadena City College	47			\$6,466
Pepperdine University		46		\$40,945
Santa Barbara City College	46			\$14,000
Bakersfield College	45			\$6,989
California State University-Dominguez Hills		45		\$4,500
Fullerton College	45			\$11,191
San Diego Mesa College	45			\$7,663
De Anza College	43			\$8,236
El Camino Community College District	41			\$13,296
Sonoma State University		41		\$7,055
Los Angeles Pierce College	40			\$12,995
Sacramento City College	39			\$7,788
Chaffey College	38			\$13,939
Claremont McKenna College		38		\$21,663
Long Beach City College	38			\$6,550
Southwestern College	38			\$6,789
Orange Coast College	37			\$6,836
Santiago Canyon College	37			\$5,879
College of the Canyons	36			\$6,400
Glendale Community College	36			\$7,823
Ashford University		35		\$23,585
Occidental College		35		\$43,047
Cuesta College	32			\$14,586
Los Angeles Valley College	32			\$11,833
California Lutheran University		31		\$24,065
Mt San Antonio College	31			\$5,774
Cypress College	30			\$7,951
Modesto Junior College	30			\$14,421

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
American River College	29			\$8,101
California State Polytechnic University-Humboldt		29		\$13,904
Scripps College		29		\$44,770
Golden West College	28			\$5,433
Pomona College		28		\$17,000
Santa Rosa Junior College	28			\$9,220
California State University-Bakersfield		27		\$7,368
Foothill College	27			\$9,820
Riverside City College	27			\$7,161
Grossmont College	26			\$5,999
Rio Hondo College	26			\$7,873
Ventura College	26			\$3,971
Moorpark College	25			\$4,856
Saint Mary's College of California		25		\$25,022
California Baptist University		24		\$23,494
Cerritos College	24			\$9,557
San Diego Miramar College	24			\$7,880
West Valley College	24			\$6,890
Allan Hancock College	23			\$6,629
Los Angeles Mission College	23			\$12,798
Chabot College	22			\$8,576
Irvine Valley College	22			\$4,860
Las Positas College	21			\$7,675
Sierra College	21			\$5,921
University of Redlands		21		\$21,578
California State University-Stanislaus		20		\$7,230
Claremont Graduate University			19	
College of the Desert	19			\$14,179
Norco College	19			\$7,404
San Diego City College	19			\$8,370
University of La Verne		19		\$22,538
West Los Angeles College	19			\$10,259
Berkeley City College	18			\$13,556
Biola University		18		\$29,123
Fresno City College	18			\$6,391
Mt San Jacinto Community College District	18			\$7,704

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Cabrillo College	17			\$18,139
Folsom Lake College	17			\$8,276
Antelope Valley Community College District	16			\$6,203
Whittier College		16		\$22,091
Napa Valley College	15			\$18,440
Santa Ana College	15			\$6,351
San Bernardino Valley College	14			\$9,621
City College of San Francisco	13			\$9,261
Oxnard College	13			\$3,441
Pitzer College		13		\$19,153
Porterville College	13			\$5,757
Copper Mountain Community College	12			\$8,749
Hartnell College	12			\$7,721
Imperial Valley College	12			\$2,300
Los Angeles City College	12			\$10,898
Solano Community College	12			\$5,950
Clovis Community College	11			\$6,305
Mount Saint Mary's University		11		\$24,508
Azusa Pacific University		10		\$27,112
College of San Mateo	10			\$5,427
Cuyamaca College	10			\$6,460
Point Loma Nazarene University		10		\$34,851
University of the Pacific		10		\$21,311
West Hills College-Coalinga	10			\$11,458
Westmont College		10		\$33,554
Contra Costa College	9			\$9,405
San Joaquin Delta College	9			\$17,503
San Jose City College	9			\$17,618
College of Marin	8			\$7,717
Crafton Hills College	8			\$20,456
Palomar College	8			\$6,659
William Jessup University		8		\$27,823
Butte College	7			\$10,736
Canada College	7			\$5,923
College of Alameda	7			\$12,583
Laney College	7			\$16,494

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Los Angeles Harbor College	7			\$12,787
Los Angeles Southwest College	7			\$8,651
Monterey Peninsula College	7			\$12,007
National University		7		\$9,966
Reedley College	7			\$7,089
Yuba College	7			\$5,503
College of the Redwoods	6			\$8,618
Fresno Pacific University		6		\$15,350
Los Medanos College	6			\$7,231
Notre Dame de Namur University		6		\$28,243
Victor Valley College	6			\$12,848
College of the Sequoias	5			\$5,205
Shasta College	5			\$7,973
Los Angeles Trade Technical College	4			\$10,495
Mission College	4			\$6,727
Moreno Valley College	4			\$4,899
Barstow Community College	3			\$9,756
Dominican University of California		3		\$45,001
Ohlone College	3			\$12,787
West Hills College-Lemoore	3			\$13,571
Cerro Coso Community College	2			\$11,710
Columbia College	2			\$10,735
Gavilan College	2			\$8,705
Mendocino College	2			\$8,465
Woodbury University		2		\$32,293
American Jewish University		1		
Harvey Mudd College		1		\$33,838
Holy Names University		1		\$21,515
Madera Community College	1			
Mills College		1		\$25,283
Pacific Union College		1		\$22,767
The Master's University and Seminary		1		\$30,748
Woodland Community College	1			\$7,480
California Institute of Technology				\$30,162
Citrus College				\$8,852
Compton College				\$10,875

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Concordia University-Irvine				\$25,640
Feather River Community College District				\$11,415
La Sierra University				\$25,230
MiraCosta College				\$6,946
Simpson University				\$25,311
Skyline College				\$4,885
Total	2,171	5,949	241	

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, Political Science and Government, General, CIP 45.1001.

		Education and Training Requirements			Educational Attainment				
		Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency in the Occupation	No College	Some College, No Degree	Associate's Degree	Bachelor's Degree	Postgraduate Degree
11-9199	Managers, All Other	Bachelor's degree	Less than 5 years	None	12%	12%	6%	42%	28%
19-3094	Political Scientists	Master's degree	None	None	1%	4%	3%	33%	59%
19-4061	Social Science Research Assistants	Bachelor's degree	None	None	11%	16%	12%	40%	21%
25-1065	Political Science Teachers, Postsecondary	Doctoral or professional degree	None	None	1%	1%	1%	14%	83%
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	Bachelor's degree	None	None	0%	2%	1%	41%	56%

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 Political Scientists (19-3094)

Study the origin, development, and operation of political systems. May study topics, such as public opinion, political decisionmaking, and ideology. May analyze the structure and operation of governments, as well as various political entities. May conduct public opinion surveys, analyze election results, or analyze public documents.

Definition of Social Science Research Assistants (19-4061)

Assist social scientists in laboratory, survey, and other social science research. May help prepare findings for publication and assist in laboratory analysis, quality control, or data management.

Definition of Political Science Teachers, Postsecondary (25-1065)

Teach courses in political science, international affairs, and international relations. 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.

Occupation Details

As of 2022Q4, total employment for occupations linked to Political Science and Government, General in California was 210,344. Over the past three years, linked occupations added 22,572 jobs in the region and are expected to need in aggregate approximately 119,058 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Political Science and Government, General 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- 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%
11- 9199	Managers, All Other	98,004	\$164,300	1.35	1,405	1.5%	1,400	10.6%	59,926	21,848	33,829	4,248	0.6%
19- 4061	Social Science Research Assistants	5,853	\$64,100	1.48	726	11.3%	25	1.3%	5,490	1,140	4,053	296	0.7%
25- 1065	Political Science Teachers, Postsecondary	807	\$150,900	0.48	15	1.8%	60	-1.3%	521	262	221	38	0.7%
19- 3094	Political Scientists	358	\$125,900	0.39	1	0.4%	4	3.5%	251	59	178	15	0.6%
Total - Linked Occupations		210,344	\$129,400	1.03	4,678	2.2%	3,476	3.9%	119,058	44,947	67,381	6,729	0.5%
Total - All Occupations		19,219,968	\$71,900	1.00	797,161	4.1%	549,185	0.6%	17,029,863	6,722,656	9,379,252	927,955	0.7%

Source: [JobsEQ®](#)

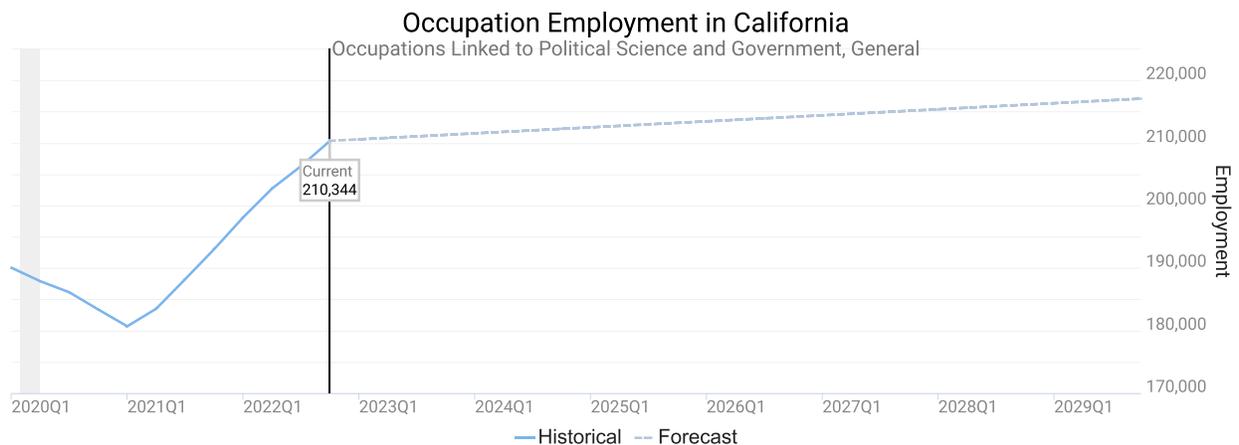
Data as of 2022Q4 unless noted otherwise

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 Political Science and Government, General. The single industry most employing these occupations in the region is Elementary and Secondary Schools, NAICS 6111. This industry employs 104,870 workers in the linked occupations—employment which is expected to increase by 2,976 jobs over the next ten years; furthermore, 72,311 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 Political Science and Government, General in California

NAICS Code	Industry Title	Current			10-Year Demand		
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	Total Demand
6111	Elementary and Secondary Schools	49.9%	104,870	30,800	41,511	2,976	75,287
5417	Scientific Research and Development Services	3.2%	6,662	2,064	4,311	608	6,983
6113	Colleges, Universities, and Professional Schools	2.8%	5,911	1,866	4,262	463	6,591
5511	Management of Companies and Enterprises	2.6%	5,386	1,685	2,615	134	4,435
5416	Management, Scientific, and Technical Consulting Services	2.3%	4,773	1,547	2,449	507	4,503
9221	Justice, Public Order, and Safety Activities	1.7%	3,662	1,126	1,791	-3	2,914
2361	Residential Building Construction	1.7%	3,551	1,103	1,708	32	2,844
5415	Computer Systems Design and Related Services	1.6%	3,343	1,115	1,727	551	3,392
9211	Executive, Legislative, and Other General Government Support	1.4%	2,948	915	1,460	57	2,431
5613	Employment Services	1.3%	2,680	851	1,334	182	2,367
5611	Office Administrative Services	1.2%	2,590	835	1,293	226	2,354
9281	National Security and International Affairs	1.1%	2,334	702	1,103	-105	1,701
9231	Administration of Human Resource Programs	1.0%	2,114	653	1,041	22	1,716
6221	General Medical and Surgical Hospitals	1.0%	2,026	629	1,030	48	1,707
5413	Architectural, Engineering, and Related Services	0.7%	1,545	477	756	3	1,236
2362	Nonresidential Building Construction	0.7%	1,531	479	742	36	1,257
5419	Other Professional, Scientific, and Technical Services	0.7%	1,524	479	814	89	1,382
5121	Motion Picture and Video Industries	0.7%	1,521	506	784	246	1,536
5192	Web Search Portals, Libraries, Archives, and Other Information Services	0.7%	1,483	512	793	371	1,677
5241	Insurance Carriers	0.7%	1,452	466	721	112	1,299
	All Others	23.0%	48,441	15,412	24,035	3,131	42,578

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.

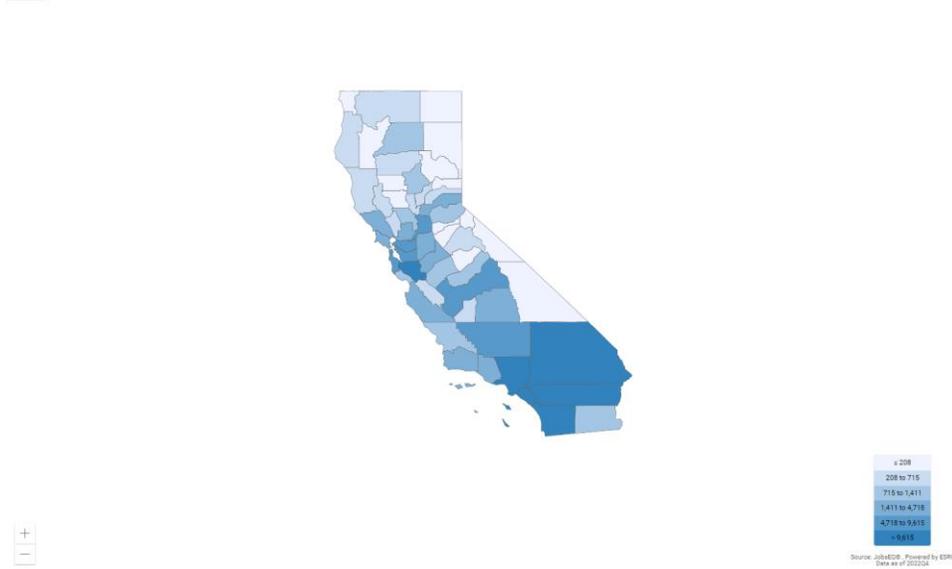
Note: Figures may not sum due to rounding.

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 Political Science and Government, General. Employment is shown by place of work.

California, Occupation Concentration by Place of Work for Occupations Linked to Political Science and Government, General



Top Counties with Employment Linked to Political Science and Government, General, 2022Q4

Region	Employment
Los Angeles County, California	51,727
San Diego County, California	19,107
Orange County, California	17,690
Santa Clara County, California	13,194
Riverside County, California	9,699
San Bernardino County, California	9,615
Alameda County, California	9,277
Sacramento County, California	8,325
San Francisco County, California	7,976
San Mateo County, California	5,577

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

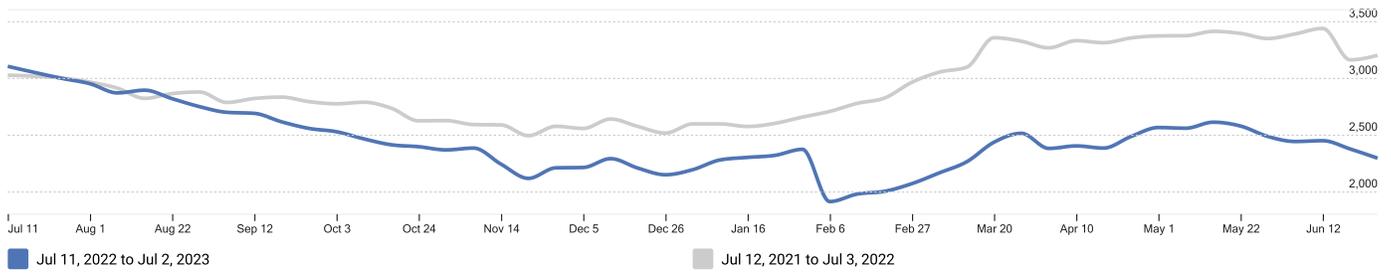
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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



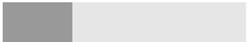
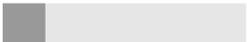
Occupations

SOC	Occupation	Active Job Ads
25- 2031.00	Secondary School Teachers, Except Special and Career/Technical Education	7,722
11- 9199.02	Compliance Managers	2,213
11- 9199.00	Managers, All Other	2,015
11- 9199.08	Loss Prevention Managers	1,215
11- 9199.01	Regulatory Affairs Managers	206
25- 1065.00	Political Science Teachers, Postsecondary	168
11- 9199.11	Brownfield Redevelopment Specialists and Site Managers	106
11- 9199.09	Wind Energy Operations Managers	98
19- 4061.00	Social Science Research Assistants	94
19- 3094.00	Political Scientists	17

Locations

Location	Active Job Ads
Los Angeles, California	443
San Francisco, California	345
San Diego, California	282
Oakland, CA 94607	210
Sacramento, California	190
San Jose, California	183

Locations

Location	Active Job Ads	
Irvine, California	127	
Oakland, California	127	
Fresno, California	78	
Santa Clara, California	65	

Employers

Employer Name	Active Job Ads	
Oakland Unified School District	521	
HomeDepot	439	
Kaiser Permanente	210	
Fusion Academy	129	
Kern High School District	98	
Bright Star Schools	90	
Abbvie	84	
Marriott	70	
United Health Group	67	
C2educate	52	

Certifications

Certificate Name	Active Job Ads	
First Aid Certification	373	
Certification in Cardiopulmonary Resuscitation (CPR)	354	
Driver's License	349	
Project Management Professional (PMP)	78	
Certified Information Systems Auditor (CISA)	60	
Loss Prevention Certified (LPC)	55	
Certified Information Systems Security Professional (CISSP)	54	
Certified Information Security Manager (CISM)	43	
Certified Public Accountant (CPA)	43	
Licensed Professional Engineer	41	

Hard Skills

Skill Name	Active Job Ads	
Teaching/Training, School	5,220	
Microsoft Office	1,408	
Microsoft Excel	1,397	
Spanish	885	
Microsoft PowerPoint	747	
Mathematics	685	
Microsoft Word	546	
Microsoft Outlook	535	
Bilingual	516	
English	440	

Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	6,654	
Cooperative/Team Player	4,077	
Supervision/Management	2,097	
Organization	1,945	
Problem Solving	1,789	
Interpersonal Relationships/Maintain Relationships	1,728	
Self-Motivated/Ability to Work Independently/Self Leadership	1,500	
Detail Oriented/Meticulous	1,300	
Adaptability/Flexibility/Tolerance of Change and Uncertainty	1,288	
Analytical	1,178	

Job Titles

Job Title	Active Job Ads	
Asset Protection Specialist	442	
Intern I - High School	171	
Loss Prevention Officer	148	
Regional Manager	126	
English Teacher	114	
Compliance Manager	91	
Development Director	89	
High School Teacher	69	
Shop Manager	57	
Spanish Teacher	54	

Job Types

Type	Active Job Ads	
Full-Time	8,171	
Part-Time	2,052	
Permanent	615	
Temporary (unspecified)	608	
Remote	583	
Temporary (long-term)	242	
Temp-to-Hire	27	
Temporary (short-term)	23	
Remote Not Indicated	13,285	

Programs

Program Name	Active Job Ads	
Engineering	476	
Business	361	
Science	283	
Biology	276	
Business Administration	275	
Education	232	
Mathematics	205	
Chemistry	192	
Finance	176	
Accounting	141	

Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	5,319	
High school diploma or equivalent	525	
Associate's degree	510	
Master's degree	470	
Doctoral or professional degree	138	
Unspecified/other	6,906	

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

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