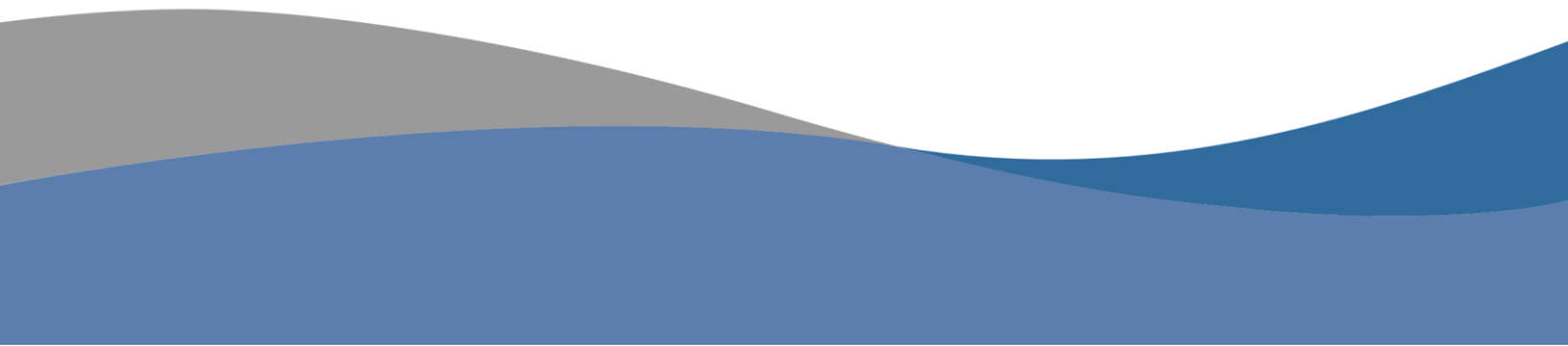




Education Report

Business Administration and Management, General

California



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Definition of Business Administration and Management, General, CIP 52.0201

A program that generally prepares individuals to plan, organize, direct, and control the functions and processes of a firm or organization. Includes instruction in management theory, human resources management and behavior, accounting and other quantitative methods, purchasing and logistics, organization and production, marketing, and business decision-making.

Awards

The table below is a list of postsecondary awards in CIP 52.0201 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
California State University-Fullerton		2,451	137	\$4,939
San Diego State University		1,770	133	\$6,867
San Jose State University		1,724	75	\$14,603
California State Polytechnic University-Pomona		1,644	46	\$12,942
California State University-Long Beach		1,557	127	\$9,171
San Francisco State University		1,522	77	\$13,641
Ashford University	1	683	886	\$23,585
University of Southern California		1,035	455	\$26,021
Pasadena City College	1,232			\$6,466
California State University-Sacramento		983	205	\$7,778
California State University-East Bay		866	145	\$12,631
University of Phoenix-California	100	624	248	\$15,400
California State University-Los Angeles		865	92	\$2,695
University of California-Riverside		863	88	\$13,502
California State University-San Bernardino		809	105	\$3,254
California State University-Fresno		819	81	\$6,336
California State University-Northridge		834	37	\$8,708
University of the People	69	214	532	\$1,634
California Polytechnic State University-San Luis Obispo		766	36	\$20,708
Coastline Community College	736			\$8,953
California State University-San Marcos		610	75	\$14,296
California State University-Chico		661	22	\$13,749
California State University-Dominguez Hills		624	38	\$4,500
Sofia University			637	
Cerritos College	602			\$9,557
Pepperdine University		174	424	\$40,945
Westcliff University		109	465	\$25,201
University of California-Irvine		379	181	\$11,633
University of La Verne		296	263	\$22,538
Chapman University		471	83	\$40,451

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Northcentral University		55	498	
California State University-Stanislaus		433	79	\$7,230
De Anza College	508			\$8,236
California State University-Bakersfield		392	96	\$7,368
Mt San Antonio College	486			\$5,774
Sonoma State University		403	62	\$7,055
National University	20	217	220	\$9,966
Chaffey College	456			\$13,939
University of Massachusetts Global	2	270	161	\$26,346
University of California-Berkeley		392	23	\$17,652
East Los Angeles College	407			\$12,028
Citrus College	401			\$8,852
California State University-Monterey Bay		242	150	\$6,085
El Camino Community College District	391			\$13,296
Orange Coast College	387			\$6,836
University of Redlands		127	251	\$21,578
Sierra College	369			\$5,921
Long Beach City College	361			\$6,550
San Diego Mesa College	359			\$7,663
Grossmont College	344			\$5,999
California State University-Channel Islands		308	31	\$14,493
Santa Monica College	336			\$6,380
Riverside City College	327			\$7,161
Fullerton College	325			\$11,191
Saddleback College	312			\$7,918
Fresno City College	304			\$6,391
Irvine Valley College	301			\$4,860
American River College	294			\$8,101
College of the Canyons	293			\$6,400
Mt San Jacinto Community College District	268			\$7,704
MiraCosta College	252			\$6,946
Rio Hondo College	242			\$7,873
Moorpark College	238			\$4,856
Santa Ana College	238			\$6,351
Southwestern College	238			\$6,789

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Cypress College	237			\$7,951
Diablo Valley College	231			\$8,878
Glendale Community College	226			\$7,823
Fresno Pacific University		212	13	\$15,350
Ventura College	225			\$3,971
Cosumnes River College	224			\$7,223
University of San Diego		132	90	\$34,155
Santa Clara University			221	\$48,469
Modesto Junior College	218			\$14,421
Golden Gate University		132	83	
University of San Francisco		126	88	\$39,825
San Diego Miramar College	211			\$7,880
University of California-Merced		208		\$11,586
Sacramento City College	207			\$7,788
California Lutheran University		109	94	\$24,065
Golden West College	202			\$5,433
Evergreen Valley College	200			\$15,650
Santiago Canyon College	198			\$5,879
Cuesta College	196			\$14,586
Santa Rosa Junior College	194			\$9,220
Bakersfield College	192			\$6,989
Chabot College	192			\$8,576
Reedley College	185			\$7,089
Palomar College	184			\$6,659
Folsom Lake College	176			\$8,276
Allan Hancock College	167			\$6,629
Los Angeles Valley College	165			\$11,833
California State Polytechnic University-Humboldt		138	26	\$13,904
Los Angeles City College	164			\$10,898
College of the Desert	159			\$14,179
West Valley College	154			\$6,890
California Baptist University			148	\$23,494
Cuyamaca College	144			\$6,460
Foothill College	144			\$9,820
Norco College	144			\$7,404
Azusa Pacific University		100	42	\$27,112
Contra Costa College	142			\$9,405

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
San Bernardino Valley College	141			\$9,621
William Jessup University		54	85	\$27,823
Las Positas College	137			\$7,675
College of San Mateo	132			\$5,427
DeVry University-California		35	96	\$32,029
West Los Angeles College	131			\$10,259
Clovis Community College	125			\$6,305
Antelope Valley Community College District	122			\$6,203
Biola University		122		\$29,123
Concordia University-Irvine		76	46	\$25,640
Naval Postgraduate School		5	113	
Santa Barbara City College	116			\$14,000
Los Angeles Pierce College	115			\$12,995
College of the Sequoias	111			\$5,205
Skyline College	108			\$4,885
Merced College	107			\$13,426
Solano Community College	106			\$5,950
Southern States University		23	82	\$2,640
University of the Pacific		99	6	\$21,311
Imperial Valley College	100			\$2,300
Point Loma Nazarene University		64	36	\$34,851
Butte College	99			\$10,736
San Jose City College	99			\$17,618
Monterey Peninsula College	95			\$12,007
Notre Dame de Namur University		51	44	\$28,243
Hartnell College	94			\$7,721
Claremont Graduate University		19	73	
Oxnard College	89			\$3,441
Saint Mary's College of California			89	\$25,022
Lincoln University		10	78	\$14,128
San Joaquin Delta College	87			\$17,503
Los Angeles Harbor College	85			\$12,787
Los Medanos College	84			\$7,231
Los Angeles Mission College	82			\$12,798
Mendocino College	82			\$8,465
Crafton Hills College	81			\$20,456

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Laney College	80			\$16,494
San Diego City College	80			\$8,370
City College of San Francisco	78			\$9,261
Moreno Valley College	74			\$4,899
Canada College	73			\$5,923
Mission College	72			\$6,727
Loyola Marymount University		52	19	\$40,180
Alliant International University-San Diego		11	59	
Ohlone College	70			\$12,787
Shasta College	70			\$7,973
Barstow Community College	69			\$9,756
Woodbury University		29	40	\$32,293
Cabrillo College	67			\$18,139
Vanguard University of Southern California		66		\$20,427
West Hills College-Lemoore	64			\$13,571
Whittier College		64		\$22,091
Dominican University of California		27	33	\$45,001
Yuba College	60			\$5,503
Bethesda University		28	29	\$18,489
Cerro Coso Community College	57			\$11,710
Hope International University		35	21	\$18,801
Menlo College		55		\$35,658
Minerva University		55		\$17,432
Gavilan College	54			\$8,705
Porterville College	54			\$5,757
The Master's University and Seminary		53		\$30,748
Napa Valley College	50			\$18,440
Woodland Community College	49			\$7,480
Berkeley City College	48			\$13,556
Simpson University		45		\$25,311
California State University Maritime Academy		44		\$16,924
La Sierra University		30	14	\$25,230
Laurus College	33	10		\$13,721
Los Angeles Southwest College	43			\$8,651
Marymount California University		42		\$35,660
Merritt College	41			\$16,194

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
College of Alameda	40			\$12,583
United States University		2	37	\$13,529
Humphreys University-Stockton and Modesto Campuses	2	36		\$7,288
Taft College	38			\$7,143
University of California-Los Angeles			38	\$13,393
California Miramar University	5	19	12	\$20,463
International Technological University			36	
Victor Valley College	35			\$12,848
Mount Saint Mary's University	4	29		\$24,508
California Institute of Advanced Management			32	
University of Antelope Valley	2	16	14	\$27,539
Compton College	31			\$10,875
San Diego Christian College		30		\$34,564
College of the Redwoods	28			\$8,618
Copper Mountain Community College	28			\$8,749
Madera Community College	28			
Holy Names University		3	22	\$21,515
College of Marin	24			\$7,717
The Chicago School of Professional Psychology at Los Angeles			24	\$33,638
Los Angeles Trade Technical College	23			\$10,495
Palo Verde College	23			\$14,270
West Hills College-Coalinga	23			\$11,458
Platt College-Riverside	13	9		\$28,184
University of Saint Katherine		22		\$26,616
Lake Tahoe Community College	21			\$7,867
Lassen Community College	21			\$11,495
University of the West		11	10	\$13,225
California Intercontinental University	3	2	14	
Life Pacific University		17		\$21,748
Los Angeles Pacific University		4	12	\$20,487
Pacific Oaks College		1	15	
Fremont College	6		9	\$29,722
Antioch University-Santa Barbara		1	11	
Columbia College	11			\$10,735

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Angeles College		10		\$19,997
Learnet Academy Inc	10			
John Paul the Great Catholic University		9		\$28,787
Oak Valley College		9		\$6,577
Platt College-Anaheim	9			\$24,328
University of California-San Diego			9	\$15,632
America Evangelical University			8	\$19,802
Feather River Community College District	8			\$11,415
Mills College		6		\$25,283
Pacific States University		1	5	
Platt College-Ontario	6			\$22,432
American Jewish University		5		
Platt College-Los Angeles	4			\$26,055
Summit College	4			\$28,471
The Chicago School of Professional Psychology at Anaheim			4	
Ventura Adult and Continuing Education	4			\$15,747
College of the Siskiyous	3			\$11,340
Los Angeles Pacific College	3			
Agape College of Business and Science	2			\$17,935
Pathways College		2		\$19,585
University of Silicon Valley		2		\$23,631
Abraham Lincoln University		1		
InterCoast Colleges-West Covina	1			\$22,381
Saybrook University			1	
California Aeronautical University				\$35,951
Pacific College				\$23,663
Presbyterian Theological Seminary in America				\$8,719
Santa Barbara Business College-Bakersfield				\$14,548
Stanford University				\$14,402
Touro University Worldwide				\$18,121
University of California-Davis				\$16,640
West Coast University-Orange County				\$24,624
Total	20,557	28,800	9,345	

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, Business Administration and Management, General, CIP 52.0201.

		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
11-1011	Chief Executives	Bachelor's degree	5 years or more	None	6%	9%	4%	45%	36%
11-1021	General and Operations Managers	Bachelor's degree	5 years or more	None	14%	17%	9%	43%	18%
11-2022	Sales Managers	Bachelor's degree	Less than 5 years	None	7%	12%	7%	56%	18%
11-3012	Administrative Services Managers	Bachelor's degree	Less than 5 years	None	9%	13%	11%	42%	25%
11-3013	Facilities Managers	Bachelor's degree	Less than 5 years	None	17%	18%	11%	41%	13%
11-3051	Industrial Production Managers	Bachelor's degree	5 years or more	None	17%	14%	8%	42%	20%
11-3071	Transportation, Storage, and Distribution Managers	High school diploma or equivalent	5 years or more	None	29%	20%	10%	31%	11%
11-3111	Compensation and Benefits Managers	Bachelor's degree	5 years or more	None	5%	9%	4%	56%	26%
11-3121	Human Resources Managers	Bachelor's degree	5 years or more	None	7%	9%	6%	47%	31%
11-3131	Training and Development Managers	Bachelor's degree	5 years or more	None	5%	9%	5%	45%	37%
11-9021	Construction Managers	Bachelor's degree	None	Moderate-term on-the-job training	25%	17%	9%	39%	10%
11-9072	Entertainment and Recreation Managers, Except Gambling	Bachelor's degree	Less than 5 years	None	15%	20%	10%	38%	17%
11-9151	Social and Community Service Managers	Bachelor's degree	Less than 5 years	None	5%	8%	5%	43%	39%
11-9179	Personal Service Managers, All Other	High school diploma or equivalent	Less than 5 years	None	12%	12%	7%	42%	28%
11-9199	Managers, All Other	Bachelor's degree	Less than 5 years	None	12%	12%	6%	42%	28%
13-1051	Cost Estimators	Bachelor's degree	None	Moderate-term on-the-job training	18%	20%	11%	43%	8%
13-1071	Human Resources Specialists	Bachelor's degree	None	None	6%	11%	7%	53%	24%
13-1081	Logisticians	Bachelor's degree	None	None	13%	16%	12%	42%	17%
13-1082	Project Management Specialists	Bachelor's degree	None	None	4%	7%	5%	51%	32%
13-1111	Management Analysts	Bachelor's degree	Less than 5 years	None	3%	6%	4%	46%	42%
13-1141	Compensation, Benefits, and Job Analysis Specialists	Bachelor's degree	Less than 5 years	None	9%	13%	10%	51%	17%
13-1199	Business Operations Specialists, All Other	Bachelor's degree	None	None	7%	11%	8%	45%	29%
13-2053	Insurance Underwriters	Bachelor's degree	None	Moderate-term on-the-job training	6%	11%	7%	60%	16%
25-1011	Business Teachers, Postsecondary	Doctoral or professional degree	None	None	1%	1%	1%	14%	83%

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 Chief Executives (11-1011)

Determine and formulate policies and provide overall direction of companies or private and public sector organizations within guidelines set up by a board of directors or similar governing body. Plan, direct, or coordinate operational activities at the highest level of management with the help of subordinate executives and staff managers.

Definition of General and Operations Managers (11-1021)

Plan, direct, or coordinate the operations of public or private sector organizations, overseeing multiple departments or locations. Duties and responsibilities include formulating policies, managing daily operations, and planning the use of materials and human resources, but are too diverse and general in nature to be classified in any one functional area of management or administration, such as personnel, purchasing, or administrative services. Usually manage through subordinate supervisors. Excludes First-Line Supervisors.

Definition of Sales Managers (11-2022)

Plan, direct, or coordinate the actual distribution or movement of a product or service to the customer. Coordinate sales distribution by establishing sales territories, quotas, and goals and establish training programs for sales representatives. Analyze sales statistics gathered by staff to determine sales potential and inventory requirements and monitor the preferences of customers.

Definition of Administrative Services Managers (11-3012)

Plan, direct, or coordinate one or more administrative services of an organization, such as records and information management, mail distribution, and other office support services.

Definition of Facilities Managers (11-3013)

Plan, direct, or coordinate operations and functionalities of facilities and buildings. May include surrounding grounds or multiple facilities of an organization's campus.

Definition of Industrial Production Managers (11-3051)

Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.

Definition of Transportation, Storage, and Distribution Managers (11-3071)

Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with organizational policies and applicable government laws or regulations. Includes logistics managers.

Definition of Compensation and Benefits Managers (11-3111)

Plan, direct, or coordinate compensation and benefits activities of an organization.

Definition of Human Resources Managers (11-3121)

Plan, direct, or coordinate human resources activities and staff of an organization.

Definition of Training and Development Managers (11-3131)

Plan, direct, or coordinate the training and development activities and staff of an organization.

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.

Definition of Entertainment and Recreation Managers, Except Gambling (11-9072)

Plan, direct, or coordinate entertainment and recreational activities and operations of a recreational facility, including cruise ships and parks.

Definition of Social and Community Service Managers (11-9151)

Plan, direct, or coordinate the activities of a social service program or community outreach organization. Oversee the program or organization's budget and policies regarding participant involvement, program requirements, and benefits. Work may involve directing social workers, counselors, or probation officers.

Definition of Personal Service Managers, All Other (11-9179)

All personal service managers not listed separately.

Definition of Managers, All Other (11-9199)

All managers not listed separately.

Definition of Cost Estimators (13-1051)

Prepare cost estimates for product manufacturing, construction projects, or services to aid management in bidding on or determining price of product or service. May specialize according to particular service performed or type of product manufactured.

Definition of Human Resources Specialists (13-1071)

Recruit, screen, interview, or place individuals within an organization. May perform other activities in multiple human resources areas.

Definition of Logisticians (13-1081)

Analyze and coordinate the ongoing logistical functions of a firm or organization. Responsible for the entire life cycle of a product, including acquisition, distribution, internal allocation, delivery, and final disposal of resources.

Definition of Project Management Specialists (13-1082)

Analyze and coordinate the schedule, timeline, procurement, staffing, and budget of a product or service on a per project basis. Lead and guide the work of technical staff. May serve as a point of contact for the client or customer.

Definition of Management Analysts (13-1111)

Conduct organizational studies and evaluations, design systems and procedures, conduct work simplification and measurement studies, and prepare operations and procedures manuals to assist management in operating more efficiently and effectively. Includes program analysts and management consultants.

Definition of Compensation, Benefits, and Job Analysis Specialists (13-1141)

Conduct programs of compensation and benefits and job analysis for employer. May specialize in specific areas, such as position classification and pension programs.

Definition of Business Operations Specialists, All Other (13-1199)

All business operations specialists not listed separately.

Definition of Insurance Underwriters (13-2053)

Review individual applications for insurance to evaluate degree of risk involved and determine acceptance of applications.

Definition of Business Teachers, Postsecondary (25-1011)

Teach courses in business administration and management, such as accounting, finance, human resources, labor and industrial relations, marketing, and operations research. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

Occupation Details

As of 2022Q4, total employment for occupations linked to Business Administration and Management, General in California was 1,389,149. Over the past three years, linked occupations added 163,563 jobs in the region and are expected to need in aggregate approximately 936,836 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Business Administration and Management, 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 %
11- 1021	General and Operations Managers	326,916	\$137,400	0.84	6,046	1.9%	2,606	3.2%	224,873	54,541	151,768	18,564	0.8%
13- 1199	Business Operations Specialists, All Other	205,427	\$86,100	1.38	3,642	1.8%	2,122	10.2%	145,923	47,246	90,063	8,614	0.6%
13- 1111	Management Analysts	126,389	\$110,700	1.10	2,283	1.9%	2,510	-0.3%	94,047	33,380	50,997	9,670	1.1%
13- 1082	Project Management Specialists	109,409	\$113,000	1.00	2,304	2.2%	n/a	13.4%	68,226	18,133	44,938	5,154	0.7%
11- 9199	Managers, All Other	98,004	\$164,300	1.35	1,405	1.5%	1,383	10.6%	59,926	21,848	33,829	4,248	0.6%
13- 1071	Human Resources Specialists	96,999	\$84,900	1.00	3,235	3.5%	1,336	4.8%	72,649	21,202	45,231	6,216	0.9%
11- 2022	Sales Managers	91,129	\$150,000	1.55	1,864	2.1%	1,652	1.2%	57,426	15,055	38,620	3,752	0.6%
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%
11- 1011	Chief Executives	38,001	\$242,800	1.16	333	0.9%	1,906	-5.1%	16,803	8,001	10,582	-1,780	-0.7%
11- 3012	Administrative Services Managers	33,253	\$121,500	1.19	34	0.1%	114	6.4%	21,697	7,936	12,025	1,736	0.7%
13- 1051	Cost Estimators	27,211	\$85,900	1.04	695	2.6%	648	0.2%	16,841	5,686	11,372	-216	-0.1%
13- 1081	Logisticians	25,586	\$92,800	1.07	926	3.7%	776	4.3%	22,555	5,436	12,080	5,039	2.6%
11- 3121	Human Resources Managers	25,426	\$159,800	1.18	797	3.2%	1,363	5.2%	16,798	5,352	9,967	1,479	0.8%
11- 3051	Industrial Production Managers	25,348	\$133,500	1.01	238	1.0%	762	2.3%	13,268	3,952	8,801	515	0.3%
11- 9151	Social and Community Service Managers	25,088	\$88,900	1.20	384	1.5%	786	1.9%	18,453	6,153	9,881	2,418	1.3%
11- 3071	Transportation, Storage, and Distribution Managers	24,063	\$115,000	1.27	298	1.3%	1,035	3.4%	15,628	4,183	10,108	1,337	0.8%
11- 3013	Facilities Managers	14,945	\$114,700	1.13	205	1.4%	212	-7.2%	9,629	3,144	5,637	848	0.8%
13- 1141	Compensation, Benefits, and Job Analysis Specialists	11,667	\$85,400	0.99	209	1.9%	453	-3.4%	7,665	2,621	4,397	646	0.8%
13- 2053	Insurance Underwriters	8,923	\$92,200	0.66	91	1.2%	314	0.2%	4,565	1,677	2,981	-92	-0.1%
11- 9072	Entertainment and Recreation Managers, Except Gambling	5,717	\$73,200	1.90	161	2.8%	156	6.2%	5,508	1,679	3,143	686	1.6%
11- 3131	Training and Development Managers	5,430	\$152,800	1.15	185	3.5%	71	1.4%	3,796	950	2,494	352	0.9%
25- 1011	Business Teachers, Postsecondary	5,109	\$141,100	0.54	94	1.8%	694	-1.1%	3,216	1,645	1,389	183	0.5%
11- 9179	Personal Service Managers, All Other	2,924	\$61,200	2.48	36	1.2%	456	11.2%	2,011	675	1,046	290	1.4%
11- 3111	Compensation and Benefits Managers	2,059	\$153,400	0.97	26	1.3%	144	-10.5%	1,142	351	745	46	0.3%
Total - Linked Occupations		1,389,149	\$122,600	1.07	26,923	2.0%	22,656	4.3%	936,836	279,977	583,134	73,725	0.7%
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®](https://www.chmuraecon.com/jobseq)

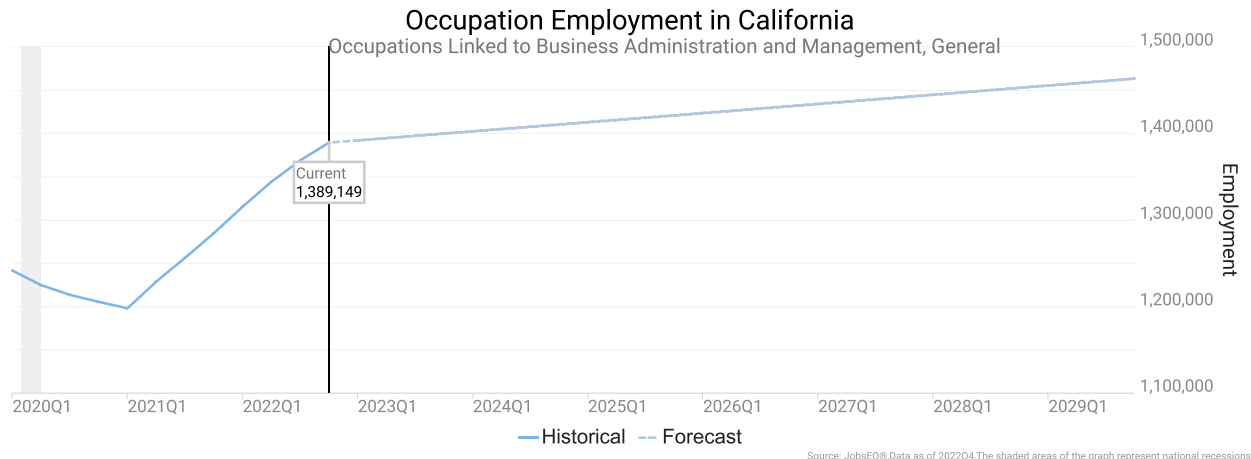
Data as of 2022Q4 unless noted otherwise

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 Business Administration and Management, General. The single industry most employing these occupations in the region is Management, Scientific, and Technical Consulting Services, NAICS 5416. This industry employs 110,709 workers in the linked occupations—employment which is expected to increase by 15,027 jobs over the next ten years; furthermore, 104,328 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 Business Administration and Management, General in California

NAICS Code	Industry Title	Current			10-Year Demand		
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	Total Demand
5416	Management, Scientific, and Technical Consulting Services	8.0%	110,709	37,125	67,203	15,027	119,355
5511	Management of Companies and Enterprises	3.9%	53,840	15,528	31,265	1,682	48,474
5415	Computer Systems Design and Related Services	3.8%	52,856	15,886	32,804	8,723	57,412
5613	Employment Services	3.6%	49,501	14,999	31,010	4,256	50,265
2361	Residential Building Construction	3.2%	44,686	11,096	25,198	2,002	38,296
5417	Scientific Research and Development Services	2.1%	29,773	8,730	17,749	3,111	29,590
6113	Colleges, Universities, and Professional Schools	1.9%	26,430	8,912	14,948	1,972	25,831
2382	Building Equipment Contractors	1.8%	25,432	6,469	14,909	358	21,736
2362	Nonresidential Building Construction	1.8%	25,165	6,330	14,383	1,453	22,167
6241	Individual and Family Services	1.8%	24,689	8,309	15,606	6,137	30,051
5413	Architectural, Engineering, and Related Services	1.8%	24,652	6,489	14,320	226	21,035
9221	Justice, Public Order, and Safety Activities	1.7%	23,390	7,203	13,249	293	20,745
5611	Office Administrative Services	1.4%	19,241	5,969	12,134	3,595	21,698
9211	Executive, Legislative, and Other General Government Support	1.3%	18,663	5,746	10,597	483	16,826
5121	Motion Picture and Video Industries	1.3%	17,553	5,081	11,189	3,268	19,539
5241	Insurance Carriers	1.2%	17,242	5,209	9,754	1,043	16,006
5242	Agencies, Brokerages, and Other Insurance Related Activities	1.2%	17,010	4,861	9,718	1,055	15,635
5132	Software Publishers	1.2%	16,946	4,754	9,913	592	15,259
5412	Accounting, Tax Preparation, Bookkeeping, and Payroll Services	1.2%	16,619	5,275	9,882	1,325	16,482
7225	Restaurants and Other Eating Places	1.2%	16,597	4,348	11,370	3,218	18,936
	All Others	54.6%	758,153	211,693	455,929	47,079	714,701

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.

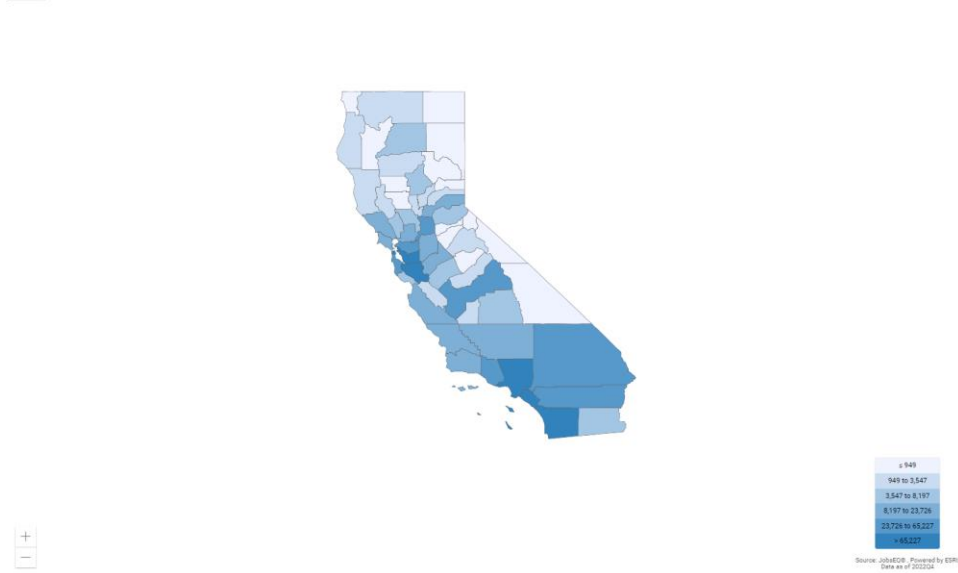
Note: Figures may not sum due to rounding.

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 Business Administration and Management, General. Employment is shown by place of work.

California, Occupation Concentration by Place of Work for Occupations Linked to Business Administration and Management, General



Top Counties with Employment Linked to Business Administration and Management, General, 2022Q4

Region	Employment
Los Angeles County, California	343,816
Orange County, California	133,892
San Diego County, California	124,631
Santa Clara County, California	103,801
San Francisco County, California	75,387
Alameda County, California	65,227
Sacramento County, California	55,483
San Bernardino County, California	54,082
Riverside County, California	50,229
San Mateo County, California	39,705

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

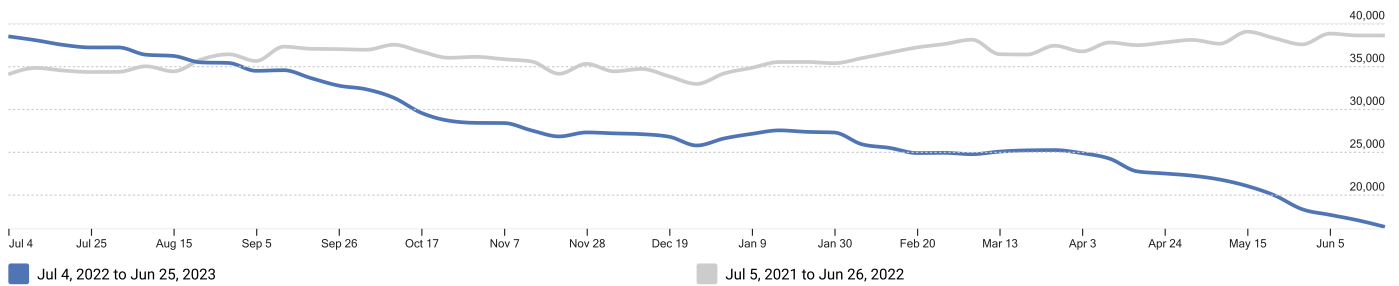
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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

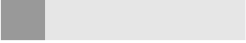
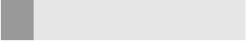
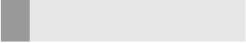
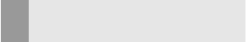
SOC	Occupation	Active Job Ads
13- 1111.00	Management Analysts	26,033
13- 1199.00	Business Operations Specialists, All Other	22,887
13- 1071.00	Human Resources Specialists	22,112
11- 1021.00	General and Operations Managers	17,001
11- 2022.00	Sales Managers	11,424
11- 3121.00	Human Resources Managers	9,384
11- 1011.00	Chief Executives	9,172
11- 9021.00	Construction Managers	6,635
11- 9151.00	Social and Community Service Managers	4,187
13- 1081.02	Logistics Analysts	3,856

Locations

Location	Active Job Ads
Los Angeles, California	9,771
San Francisco, California	8,765
San Diego, California	5,929
San Jose, California	3,809
Sacramento, California	3,459
Irvine, California	3,042

Locations

**Active
Job
Ads**

Location		
Oakland, California	1,771	
Santa Clara, California	1,315	
Sunnyvale, California	1,158	
Fremont, California	1,121	

Employers

Employer Name	Active Job Ads	
Deloitte	1,801	
Robert Half	1,641	
NORTHROP GRUMMAN	1,530	
Kaiser Permanente	1,169	
Jobot	1,130	
Los Angeles, California	1,007	
Appleone	962	
Cynet Systems	940	
United Health Group	909	
CVS	843	

Certifications

Certificate Name	Active Job Ads	
Driver's License	3,325	
Professional in Human Resources (PHR)	2,226	
Project Management Professional (PMP)	1,745	
Senior Professional in Human Resources (SPHR)	1,621	
Secret Clearance	1,134	
Society for Human Resource Management Certified Professional (SHRM-CP)	1,093	
Certification in Cardiopulmonary Resuscitation (CPR)	1,046	
Certified Public Accountant (CPA)	771	
First Aid Certification	761	
Licensed Clinical Social Worker (LCSW)	306	

Hard Skills

Skill Name	Active Job Ads	
Microsoft Excel	42,592	
Microsoft Office	34,833	
Microsoft PowerPoint	20,372	
Microsoft Outlook	14,745	
Microsoft Word	13,027	
Presentation	11,048	
Change Management	7,999	
Customer Relationship Management (CRM)	7,876	
Oracle HRIS	7,361	
Sales	7,022	

Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	115,935	
Cooperative/Team Player	72,447	
Supervision/Management	39,651	
Organization	38,596	
Problem Solving	38,179	
Analytical	36,637	
Detail Oriented/Meticulous	33,345	
Project Management	32,326	
Interpersonal Relationships/Maintain Relationships	31,215	
Customer Service	28,767	

Job Titles

Job Title	Active Job Ads	
General Manager	2,009	
Operations Manager	1,837	
Unclassified	960	
Project Coordinator	956	
Business Analyst	871	
Recruiter	638	
Executive Director	630	
Sales Manager	619	
Human Resources Generalist	615	
Human Resources Manager	613	

Job Types

Type	Active Job Ads	
Full-Time	93,039	
Remote	15,713	
Permanent	14,071	
Temporary (unspecified)	9,089	
Part-Time	5,339	
Temporary (long-term)	1,509	
Temp-to-Hire	915	
Temporary (short-term)	879	
Remote Not Indicated	153,093	

Programs

Program Name	Active Job Ads	
Business	14,542	
Business Administration	13,680	
Engineering	9,479	
Human Resources	6,247	
Finance	5,359	
Computer Science	4,165	
Accounting	3,482	
Economics	3,321	
Marketing	3,279	
Construction Management	2,946	

Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	77,032	
High school diploma or equivalent	18,387	
Associate's degree	5,367	
Master's degree	5,203	
Doctoral or professional degree	986	
Unspecified/other	61,831	

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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