



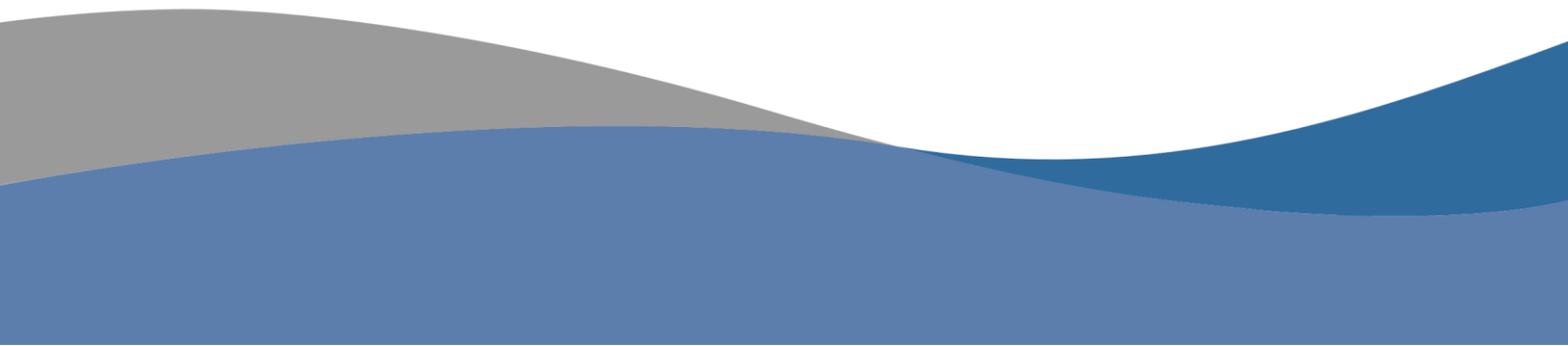
# Education Report

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# Foreign Languages and Literatures, General

California

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# Definition of Foreign Languages and Literatures, General, CIP 16.0101

A general program that focuses on one or more modern foreign languages that is not specific as to the name of the language(s) studied; that is otherwise undifferentiated; or that introduces students to language studies at the basic/elementary level.

# Awards

The table below is a list of postsecondary awards in CIP 16.0101 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>
American River College	70			\$8,101
Mt San Antonio College	68			\$5,774
Fullerton College	36			\$11,191
Palomar College	21			\$6,659
Golden West College	20			\$5,433
Long Beach City College	13			\$6,550
California Polytechnic State University-San Luis Obispo		7		\$20,708
Glendale Community College	6			\$7,823
University of California-Riverside		6		\$13,502
Occidental College		4		\$43,047
Santa Monica College	4			\$6,380
Solano Community College	4			\$5,950
Orange Coast College	3			\$6,836
Scripps College		3		\$44,770
California State University-Northridge		2		\$8,708
Clovis Community College	2			\$6,305
Los Angeles Valley College	2			\$11,833
Los Medanos College	2			\$7,231
Modesto Junior College	2			\$14,421
Monterey Peninsula College	2			\$12,007
San Diego Miramar College	1			\$7,880
Santa Ana College	1			\$6,351
California State University-Monterey Bay				\$6,085
College of the Sequoias				\$5,205
Fresno City College				\$6,391
MiraCosta College				\$6,946
Reedley College				\$7,089
Saddleback College				\$7,918
Santiago Canyon College				\$5,879
University of California-Santa Cruz				\$19,615
Westmont College				\$33,554
<b>Total</b>	<b>257</b>	<b>22</b>	<b>0</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, Foreign Languages and Literatures, General, CIP 16.0101.

		Education and Training Requirements			No College	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		Some College, No Degree	Associate's Degree	Bachelor's Degree	Postgraduate Degree
25-1124	Foreign Language and Literature 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%
27-3091	Interpreters and Translators	Bachelor's degree	None	None	7%	12%	11%	42%	27%

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 Foreign Language and Literature Teachers, Postsecondary (25-1124)

Teach languages and literature courses in languages other than English. Includes teachers of American Sign Language (ASL). 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 Interpreters and Translators (27-3091)

Interpret oral or sign language, or translate written text from one language into another.

# Occupation Details

As of 2022Q4, total employment for occupations linked to Foreign Languages and Literatures, General in California was 117,885. Over the past three years, linked occupations shed 3,330 jobs in the region and are expected to need in aggregate approximately 63,799 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Foreign Languages and Literatures, 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%	2,003	-1.0%	52,871	21,638	29,100	2,132	0.3%
27- 3091	Interpreters and Translators	10,962	\$77,700	1.15	555	5.0%	662	0.2%	9,905	4,401	4,069	1,435	1.8%
25- 1124	Foreign Language and Literature Teachers, Postsecondary	1,602	\$143,100	0.68	30	1.9%	258	-2.6%	1,023	518	437	68	0.6%
<b>Total - Linked Occupations</b>		<b>117,885</b>	<b>\$98,900</b>	<b>0.87</b>	<b>3,116</b>	<b>2.6%</b>	<b>2,923</b>	<b>-0.9%</b>	<b>63,799</b>	<b>26,557</b>	<b>33,606</b>	<b>3,636</b>	<b>0.4%</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>550,676</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®](#)

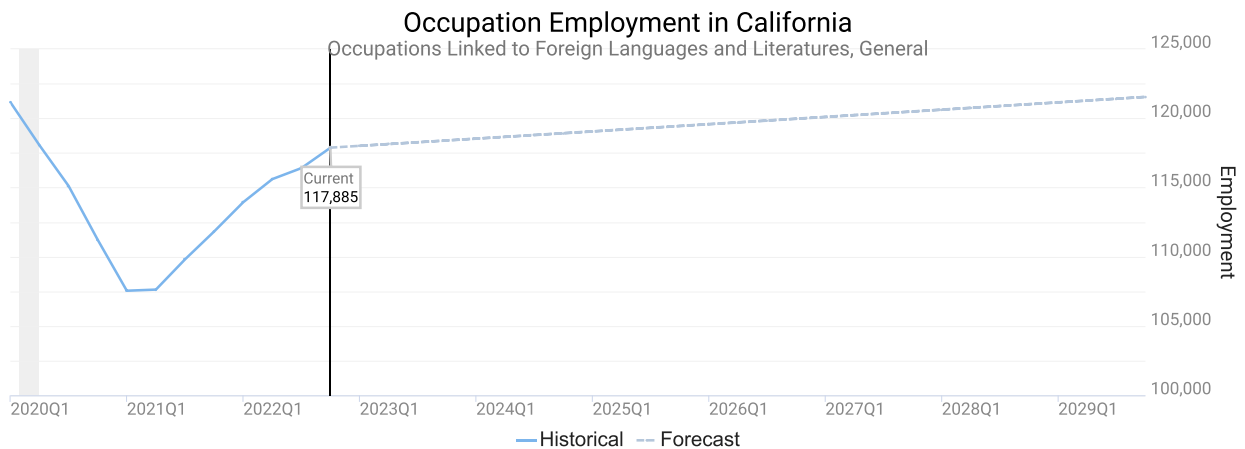
Data as of 2022Q4 unless noted otherwise

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.



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 Foreign Languages and Literatures, General. The single industry most employing these occupations in the region is Elementary and Secondary Schools, NAICS 6111. This industry employs 105,091 workers in the linked occupations—employment which is expected to increase by 3,028 jobs over the next ten years; furthermore, 72,793 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 Foreign Languages and Literatures, 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	89.1%	105,091	31,172	41,621	3,028	75,821
5419	Other Professional, Scientific, and Technical Services	5.4%	6,387	3,756	3,472	1,595	8,823
6113	Colleges, Universities, and Professional Schools	1.2%	1,386	639	570	123	1,333
6112	Junior Colleges	0.7%	792	381	335	7	723
8131	Religious Organizations	0.7%	769	242	313	43	598
6221	General Medical and Surgical Hospitals	0.6%	669	358	334	48	740
	All Others	2.4%	2,790	1,404	1,380	420	3,203

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.

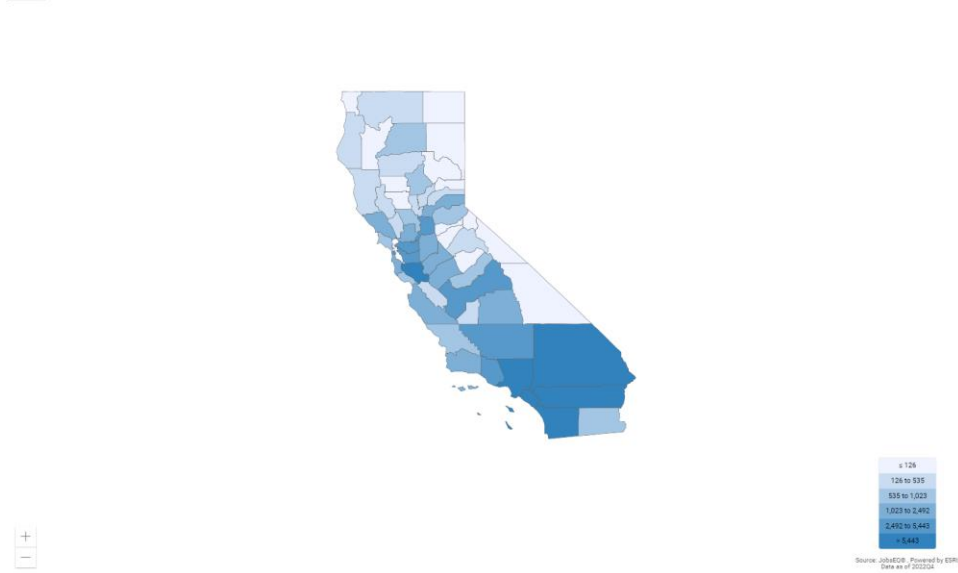
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# Geographic Distribution

The map below illustrates the county-level distribution of employed workers in California in occupations linked to Foreign Languages and Literatures, General. Employment is shown by place of work.

California, Occupation Concentration by Place of Work for Occupations Linked to Foreign Languages and Literatures, General



## Top Counties with Employment Linked to Foreign Languages and Literatures, General, 2022Q4

Region	Employment
Los Angeles County, California	29,212
San Diego County, California	9,632
Orange County, California	9,375
Riverside County, California	6,773
San Bernardino County, California	6,515
Santa Clara County, California	5,444
Alameda County, California	4,463
Sacramento County, California	4,366
Fresno County, California	3,679
Kern County, California	3,394

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

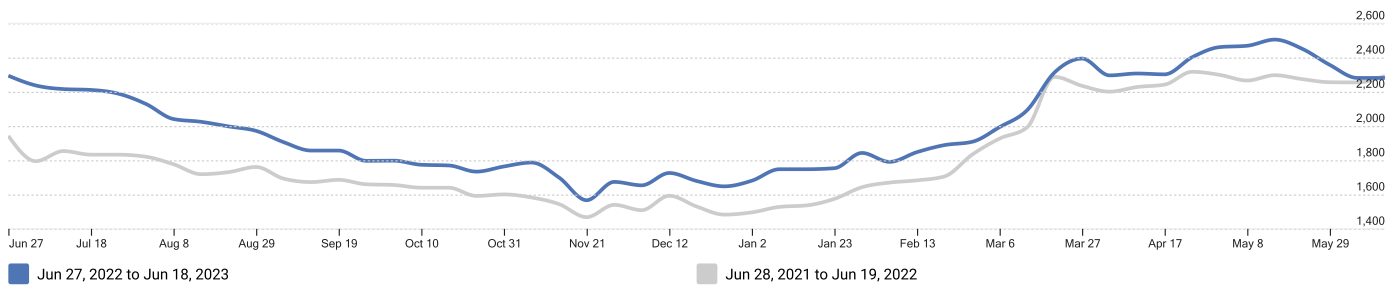
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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	7,725
27- 3091.00	Interpreters and Translators	2,388
25- 1124.00	Foreign Language and Literature Teachers, Postsecondary	752

## Locations

Location	Active Job Ads
Los Angeles, California	231
Oakland, CA 94607	208
Sacramento, California	186
San Francisco, California	141
San Jose, California	125
San Diego, California	108
Oakland, California	76
4351 Broadway, Oakland, CA 94611	59
8601 MacArthur Blvd, Oakland, CA 94605	47
95133-1316	44

### Employers

Employer Name	Active Job Ads	
Oakland Unified School District	524	
Kaiser Permanente	195	
Fusion Academy	168	
CA DEPARTMENT OF PARKS AND RECREATION	111	
US Navy	109	
Kern High School District	108	
Bright Star Schools	89	
Procare Therapy	81	
Language World Services, Inc.	58	
C2educate	54	

### Certifications

Certificate Name	Active Job Ads	
Driver's License	388	
First Aid Certification	246	
Certification in Cardiopulmonary Resuscitation (CPR)	228	
Registry of Interpreters for the Deaf (RID) Certification	137	
Secret Clearance	137	
Commercial Driver's License (CDL)	59	
National Interpreter Certification (NIC)	31	
Teaching English as a Foreign Language (TEFL)	16	
Certified Medical Interpreter (CMI)	15	
Health Care Interpreters Certification (Healthcare Interpreter Certification)	11	

### Hard Skills

Skill Name	Active Job Ads	
Teaching/Training, School	5,421	
Spanish	1,333	
English	985	
Bilingual	902	
Language Translating	686	
Mathematics	617	
Microsoft Office	461	
Microsoft Excel	304	
Microsoft Word	282	
Interpreter	278	

### Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	4,226	
Cooperative/Team Player	1,945	
Organization	924	
Clerical	846	
Self-Motivated/Ability to Work Independently/Self Leadership	840	
Listening	809	
Interpersonal Relationships/Maintain Relationships	790	
Adaptability/Flexibility/Tolerance of Change and Uncertainty	780	
Problem Solving	751	
Critical Thinking	623	

### Job Titles

Job Title	Active Job Ads	
Intern I - High School	171	
English Teacher	117	
High School Teacher	69	
Cryptologic Technician	67	
Cryptologic Technicians	66	
Schools - Sign Language Interpreter	64	
Spanish Teacher	58	
TEACHER (HIGH SCHOOL-GENERAL EDUCATION) (CORRECTIONAL FACILITY)	51	
US Army Entry Level Translator, Linguist - Signing Bonus (35P)	51	
Science Teacher	47	

### Job Types

Type	Active Job Ads	
Full-Time	6,261	
Part-Time	2,832	
Temporary (unspecified)	878	
Permanent	345	
Temporary (long-term)	269	
Remote	250	
Temporary (short-term)	14	
Temp-to-Hire	1	
Remote Not Indicated	10,615	

### Programs

Program Name	Active Job Ads	
Education	253	
Mathematics	166	
Biology	154	
Linguistics	125	
English	114	
Science	102	
Chemistry	93	
Spanish	86	
Psychology	78	
Social Work	70	

### Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	3,126	
High school diploma or equivalent	578	
Associate's degree	530	
Master's degree	423	
Doctoral or professional degree	98	
Unspecified/other	6,110	

# 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 06/28/2023 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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