



Education Report

Environmental Science

Sacramento-Roseville-Folsom, CA MSA



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Definition of Environmental Science, CIP 03.0104

A program that focuses on the application of biological, chemical, and physical principles to the study of the physical environment and the solution of environmental problems, including subjects such as abating or controlling environmental pollution and degradation; the interaction between human society and the natural environment; and natural resources management. Includes instruction in biology, chemistry, physics, geosciences, climatology, statistics, and mathematical modeling.

Awards

The table below is a list of postsecondary awards in CIP 03.0104 that were granted by institutions located in the Sacramento-Roseville-Folsom, CA MSA in the 2021 academic year.

| Schools | Certs & 2yr Awards ¹ | 4yr Awards ² | Post-Grad Awards ³ | Avg Net Price ⁴ |
|--|---------------------------------|-------------------------|-------------------------------|----------------------------|
| University of California-Davis | | 124 | | \$16,640 |
| California State University-Sacramento | | 57 | | \$7,778 |
| William Jessup University | | 2 | | \$27,823 |
| Total | 0 | 183 | 0 | |

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, Environmental Science, CIP 03.0104.

| | | 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 |
| 13-1041 | Compliance Officers | Bachelor's degree | None | Moderate-term on-the-job training | 7% | 12% | 9% | 46% | 26% |
| 19-1031 | Conservation Scientists | Bachelor's degree | None | None | 0% | 0% | 0% | 78% | 22% |
| 19-2041 | Environmental Scientists and Specialists, Including Health | Bachelor's degree | None | None | 0% | 0% | 0% | 64% | 36% |
| 19-4042 | Environmental Science and Protection Technicians, Including Health | Associate's degree | None | None | 16% | 16% | 14% | 43% | 11% |
| 19-4071 | Forest and Conservation Technicians | Associate's degree | None | None | 13% | 18% | 15% | 38% | 16% |
| 25-1053 | Environmental Science Teachers, Postsecondary | Doctoral or professional degree | None | None | 1% | 1% | 1% | 14% | 82% |

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 Compliance Officers (13-1041)

Examine, evaluate, and investigate eligibility for or conformity with laws and regulations governing contract compliance of licenses and permits, and perform other compliance and enforcement inspection and analysis activities not classified elsewhere.

Definition of Conservation Scientists (19-1031)

Manage, improve, and protect natural resources to maximize their use without damaging the environment. May conduct soil surveys and develop plans to eliminate soil erosion or to protect rangelands. May instruct farmers, agricultural production managers, or ranchers in best ways to use crop rotation, contour plowing, or terracing to conserve soil and water; in the number and kind of livestock and forage plants best suited to particular ranges; and in range and farm improvements, such as fencing and reservoirs for stock watering.

Definition of Environmental Scientists and Specialists, Including Health (19-2041)

Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or public health. Using knowledge of various scientific disciplines, may collect, synthesize, study, report, and recommend action based on data derived from measurements or observations of air, food, soil, water, and other sources.

Definition of Environmental Science and Protection Technicians, Including Health (19-4042)

Perform laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health, under the direction of an environmental scientist, engineer, or other specialist. May collect samples of gases, soil, water, and other materials for testing.

Definition of Forest and Conservation Technicians (19-4071)

Provide technical assistance regarding the conservation of soil, water, forests, or related natural resources. May compile data pertaining to size, content, condition, and other characteristics of forest tracts under the direction of foresters, or train and lead forest workers in forest propagation and fire prevention and suppression. May assist conservation scientists in managing, improving, and protecting rangelands and wildlife habitats.

Definition of Environmental Science Teachers, Postsecondary (25-1053)

Teach courses in environmental science. 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 Environmental Science in the Sacramento-Roseville-Folsom, CA MSA was 6,942. Over the past three years, linked occupations added 332 jobs in the region and are expected to need in aggregate approximately 4,636 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Environmental Science in the Sacramento-Roseville-Folsom, CA MSA¹

| 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 % | |
| 13- 1041 | Compliance Officers | 3,847 | \$86,700 | 1.60 | 69 | 1.8% | 86 | 2.4% | 2,367 | 829 | 1,382 | 156 | 0.6% | |
| 19- 2041 | Environmental Scientists and Specialists, Including Health | 1,679 | \$106,900 | 3.04 | 5 | 0.3% | 95 | 0.4% | 1,119 | 250 | 833 | 36 | 0.3% | |
| 19- 4071 | Forest and Conservation Technicians | 770 | \$47,700 | 3.44 | 22 | 2.7% | 35 | 1.1% | 670 | 146 | 520 | 4 | 0.1% | |
| 19- 4042 | Environmental Science and Protection Technicians, Including Health | 384 | \$53,500 | 1.50 | 18 | 4.0% | 36 | 0.7% | 311 | 64 | 226 | 21 | 0.8% | |
| 19- 1031 | Conservation Scientists | 247 | \$92,600 | 1.48 | 10 | 3.9% | 8 | 2.1% | 158 | 38 | 115 | 4 | 0.3% | |
| 25- 1053 | Environmental Science Teachers, Postsecondary | 15 | \$121,000 | 0.40 | 0 | n/a | 6 | -2.3% | 11 | 5 | 4 | 1 | 1.1% | |
| Total - Linked Occupations | | 6,942 | \$85,700 | 1.91 | 126 | 1.8% | 267 | 1.6% | 4,636 | 1,333 | 3,080 | 223 | 0.5% | |
| Total - All Occupations | | 1,117,739 | \$69,500 | 1.00 | 41,281 | 3.6% | 36,658 | 1.1% | 1,030,750 | 399,195 | 547,399 | 84,156 | 1.0% | |

Source: [JobsEQ®](#)

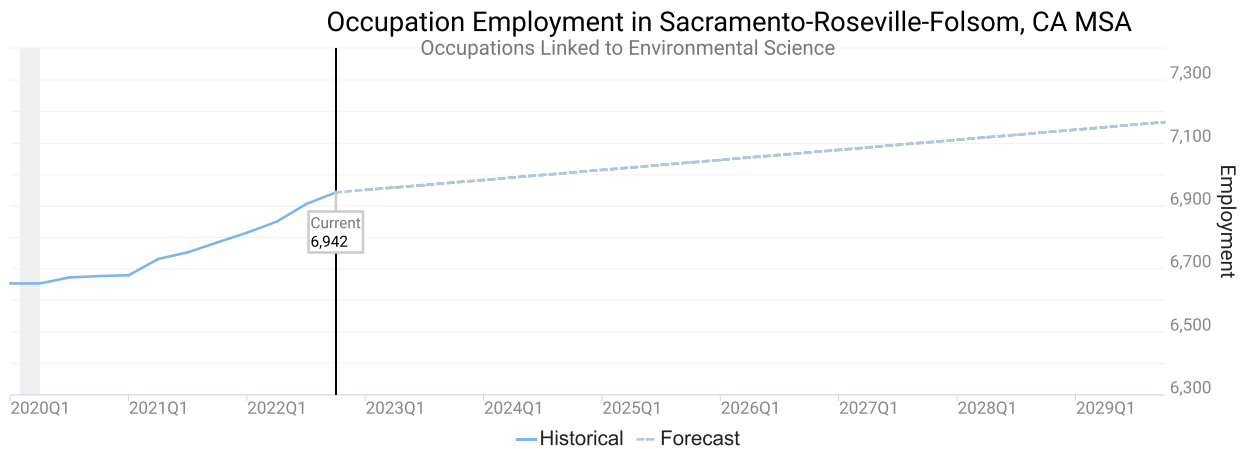
Data as of 2022Q4 unless noted otherwise

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 the Sacramento-Roseville-Folsom, CA MSA which most employ occupations linked to Environmental Science. The single industry most employing these occupations in the region is Executive, Legislative, and Other General Government Support , NAICS 9211. This industry employs 1,411 workers in the linked occupations—employment which is expected to increase by 4 jobs over the next ten years; furthermore, 1,279 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 Environmental Science in Sacramento-Roseville-Folsom, CA MSA

| NAICS Code | Industry Title | Current | | | 10-Year Demand | | |
|------------|---|---------------|-------|-------|----------------|-------------|--------------|
| | | % of Occ Empl | Empl | Exits | Transfers | Empl Growth | Total Demand |
| 9211 | Executive, Legislative, and Other General Government Support | 20.3% | 1,411 | 372 | 908 | 4 | 1,283 |
| 9231 | Administration of Human Resource Programs | 11.9% | 828 | 218 | 533 | -1 | 749 |
| 9241 | Administration of Environmental Quality Programs | 11.0% | 760 | 201 | 492 | -3 | 690 |
| 9221 | Justice, Public Order, and Safety Activities | 10.5% | 726 | 193 | 474 | 12 | 679 |
| 9261 | Administration of Economic Programs | 10.2% | 708 | 186 | 456 | -4 | 638 |
| 5416 | Management, Scientific, and Technical Consulting Services | 4.3% | 300 | 78 | 224 | 56 | 358 |
| 5413 | Architectural, Engineering, and Related Services | 3.0% | 210 | 50 | 154 | 13 | 217 |
| 6113 | Colleges, Universities, and Professional Schools | 1.9% | 133 | 40 | 84 | 17 | 141 |
| 5511 | Management of Companies and Enterprises | 1.9% | 130 | 40 | 70 | 11 | 121 |
| 5417 | Scientific Research and Development Services | 1.8% | 124 | 35 | 80 | 18 | 133 |
| 5241 | Insurance Carriers | 1.6% | 110 | 35 | 58 | 12 | 104 |
| 6221 | General Medical and Surgical Hospitals | 1.2% | 84 | 25 | 49 | 7 | 81 |
| 9281 | National Security and International Affairs | 1.1% | 76 | 21 | 51 | -1 | 71 |
| 5242 | Agencies, Brokerages, and Other Insurance Related Activities | 1.0% | 71 | 23 | 38 | 10 | 71 |
| 2212 | Natural Gas Distribution | 0.9% | 64 | 19 | 35 | 3 | 56 |
| 8133 | Social Advocacy Organizations | 0.9% | 61 | 15 | 46 | 8 | 70 |
| 6241 | Individual and Family Services | 0.9% | 61 | 21 | 35 | 20 | 77 |
| 9251 | Administration of Housing Programs, Urban Planning, and Community Development | 0.8% | 56 | 15 | 36 | 0 | 50 |
| 8139 | Business, Professional, Labor, Political, and Similar Organizations | 0.8% | 52 | 16 | 29 | 4 | 49 |
| 5613 | Employment Services | 0.7% | 46 | 14 | 27 | 4 | 45 |
| | All Others | 13.4% | 930 | 290 | 521 | 132 | 943 |

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.

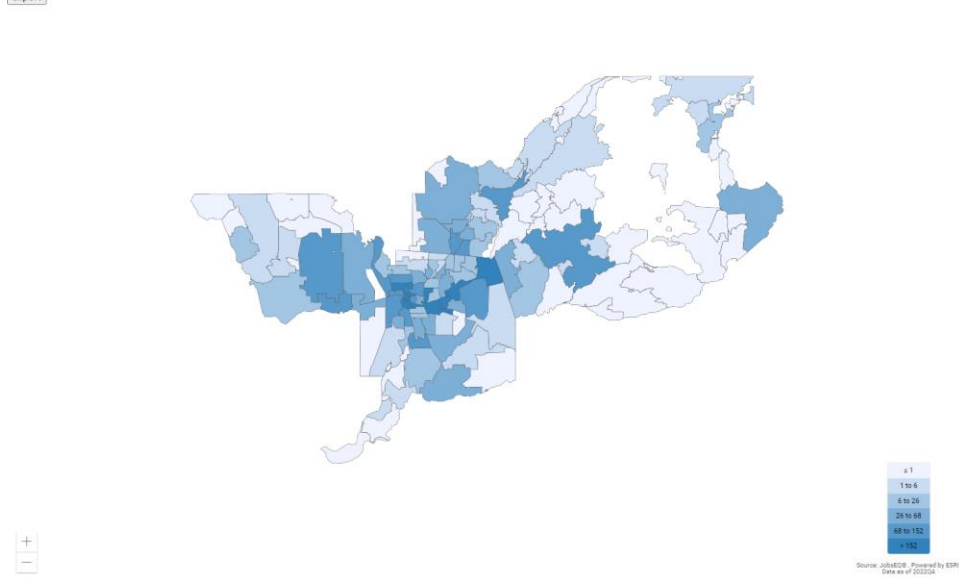
Note: Figures may not sum due to rounding.

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 ZCTA-level distribution of employed workers in the Sacramento-Roseville-Folsom, CA MSA in occupations linked to Environmental Science. Employment is shown by place of work.

Sacramento-Roseville-Folsom, CA MSA, Occupation Concentration by Place of Work for Occupations Linked to Environmental Science



Top ZCTAs with Employment Linked to Environmental Science, 2022Q4

| Region | Employment |
|------------|------------|
| ZCTA 95814 | 2,202 |
| ZCTA 95811 | 377 |
| ZCTA 95827 | 327 |
| ZCTA 95630 | 312 |
| ZCTA 95670 | 294 |
| ZCTA 95825 | 205 |
| ZCTA 95818 | 197 |
| ZCTA 95826 | 182 |
| ZCTA 95833 | 153 |
| ZCTA 95817 | 152 |

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 the Sacramento-Roseville-Folsom, CA MSA was 2,338,866 per American Community Survey data for 2016-2020.

Of individuals 25 to 64 in the Sacramento-Roseville-Folsom, CA MSA, 34.9% 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 32,977 students enrolled in grade 12.

Summary¹

| | Percent | | Value | |
|---|-------------------------------------|-------|-------------------------------------|-------------|
| | Sacramento-Roseville-Folsom, CA MSA | USA | Sacramento-Roseville-Folsom, CA MSA | USA |
| Demographics | | | | |
| Population (ACS) | — | — | 2,338,866 | 326,569,308 |
| Male | 48.9% | 49.2% | 1,144,264 | 160,818,530 |
| Female | 51.1% | 50.8% | 1,194,602 | 165,750,778 |
| Median Age ² | — | — | 37.7 | 38.2 |
| Under 18 Years | 22.9% | 22.4% | 534,856 | 73,296,738 |
| 18 to 24 Years | 9.3% | 9.3% | 217,186 | 30,435,736 |
| 25 to 34 Years | 14.3% | 13.9% | 334,204 | 45,485,165 |
| 35 to 44 Years | 13.0% | 12.7% | 304,174 | 41,346,677 |
| 45 to 54 Years | 12.5% | 12.7% | 293,032 | 41,540,736 |
| 55 to 64 Years | 12.6% | 12.9% | 294,545 | 42,101,439 |
| 65 to 74 Years | 9.1% | 9.4% | 212,741 | 30,547,950 |
| Population Growth | | | | |
| Population (Pop Estimates) ⁴ | — | — | 2,416,702 | 333,287,557 |
| Population Annual Average Growth ⁴ | 1.0% | 0.6% | 22,644 | 1,940,990 |
| People per Square Mile | — | — | 474.3 | 94.3 |
| Educational Attainment, Age 25-64 | | | | |
| No High School Diploma | 9.8% | 10.5% | 120,110 | 17,929,220 |
| High School Graduate | 20.7% | 25.4% | 253,915 | 43,289,555 |
| Some College, No Degree | 24.7% | 20.5% | 302,315 | 34,959,338 |
| Associate's Degree | 9.9% | 9.3% | 121,667 | 15,776,790 |
| Bachelor's Degree | 23.1% | 21.6% | 283,204 | 36,888,244 |
| Postgraduate Degree | 11.8% | 12.7% | 144,744 | 21,630,870 |
| Social | | | | |
| Poverty Level (of all people) | 12.7% | 12.8% | 293,134 | 40,910,326 |
| Households Receiving Food Stamps/SNAP | 9.4% | 11.4% | 79,427 | 13,892,407 |
| Enrolled in Grade 12 (% of total population) | 1.4% | 1.3% | 32,977 | 4,358,865 |
| Disconnected Youth ³ | 2.0% | 2.5% | 2,374 | 433,164 |
| Children in Single Parent Families (% of all children) | 30.8% | 34.0% | 157,382 | 23,628,508 |
| Uninsured | 5.0% | 8.7% | 115,185 | 28,058,903 |
| Speak English Less Than Very Well (population 5 yrs and over) | 10.7% | 8.2% | 235,584 | 25,312,024 |

Source: [JobsEQ®](#)

1. American Community Survey 2016-2020, unless noted otherwise

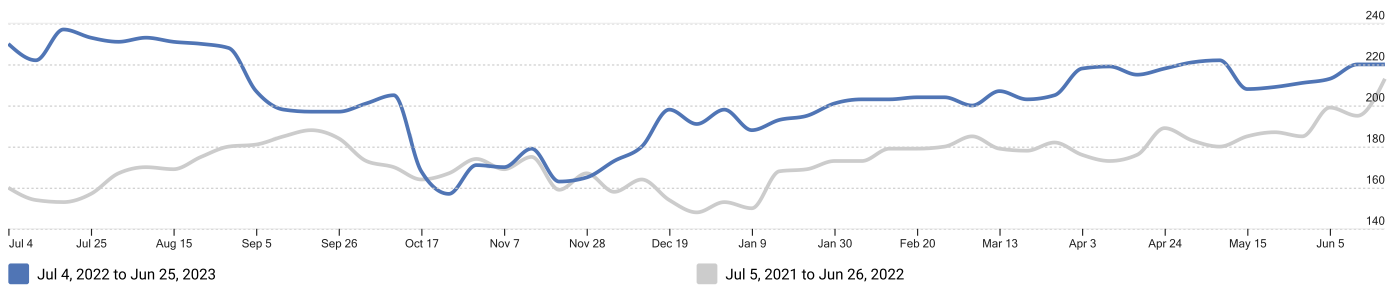
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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 |
|-------------|--|----------------|
| 19- 2041.00 | Environmental Scientists and Specialists, Including Health | 300 |
| 19- 4071.00 | Forest and Conservation Technicians | 245 |
| 13- 1041.00 | Compliance Officers | 228 |
| 13- 1041.03 | Equal Opportunity Representatives and Officers | 198 |
| 19- 4042.00 | Environmental Science and Protection Technicians, Including Health | 140 |
| 19- 2041.02 | Environmental Restoration Planners | 138 |
| 13- 1041.07 | Regulatory Affairs Specialists | 70 |
| 19- 1031.00 | Conservation Scientists | 27 |
| 19- 1031.03 | Park Naturalists | 27 |
| 25- 1053.00 | Environmental Science Teachers, Postsecondary | 22 |

Locations

| Location | Active Job Ads |
|--------------------------------|----------------|
| Sacramento, California | 496 |
| Sacramento County, California | 304 |
| University of California Davis | 71 |
| Yolo County, California | 35 |
| Rancho Cordova, California | 22 |
| Sacramento, CA 95814 | 22 |

Locations

**Active
Job
Ads**

| Location | | |
|--|----|--|
| Davis, California | 21 | |
| Roseville, California | 21 | |
| 6000 J Street, Sacramento, CA 95819, USA | 18 | |
| Auburn, California | 16 | |

Employers

| Employer Name | Active Job Ads | |
|--|----------------|--|
| CA DEPARTMENT OF PARKS AND RECREATION | 66 | |
| Davis, California | 56 | |
| CA DEPARTMENT OF JUSTICE | 50 | |
| State of California Department of Food & Agriculture | 32 | |
| University of California, Davis | 30 | |
| State of California Department of Fish and Wildlife | 23 | |
| CA LOTTERY | 21 | |
| Sacramento, California | 20 | |
| State of California Department of Forestry & Fire Protection | 20 | |
| CSU, Sacramento | 18 | |

Certifications

| Certificate Name | Active Job Ads | |
|--|----------------|--|
| Driver's License | 107 | |
| Commercial Driver's License (CDL) | 52 | |
| Certified in Health Care Compliance (CHC) | 9 | |
| First Aid Certification | 9 | |
| Certification in Cardiopulmonary Resuscitation (CPR) | 8 | |
| Certified Public Accountant (CPA) | 8 | |
| Certified Regulatory Compliance Manager (CRCM) | 8 | |
| Certified Environmental Professional (CEP) | 6 | |
| Credit Union Compliance Expert (CUCE) | 6 | |
| Certified Erosion, Sediment and Storm Water Inspector (CESSWI) | 4 | |

Hard Skills

| Skill Name | Active Job Ads | |
|-----------------------------------|----------------|--|
| Microsoft Excel | 273 | |
| Microsoft Office | 207 | |
| Telecommunications | 171 | |
| Microsoft Word | 139 | |
| Microsoft PowerPoint | 126 | |
| Microsoft Outlook | 106 | |
| Personal Computers (PC) | 82 | |
| Teaching/Training, Job | 71 | |
| Report Writing/Report Preparation | 64 | |
| Technical Writing | 60 | |

Soft Skills

| Skill Name | Active Job Ads | |
|--|----------------|--|
| Communication (Verbal and written skills) | 856 | |
| Cooperative/Team Player | 496 | |
| Self-Motivated/Ability to Work Independently/Self Leadership | 351 | |
| Competitiveness | 323 | |
| Analytical | 284 | |
| Project Management | 282 | |
| Detail Oriented/Meticulous | 233 | |
| Organization | 230 | |
| Problem Solving | 173 | |
| Customer Service | 163 | |

Job Titles

| Job Title | Active Job Ads | |
|--|----------------|--|
| Environmental Scientist | 76 | |
| Program Technician | 70 | |
| SENIOR ENVIRONMENTAL SCIENTIST (SPECIALIST) | 57 | |
| PROGRAM TECHNICIAN II | 54 | |
| Student 4 | 36 | |
| SENIOR ENVIRONMENTAL SCIENTIST (SUPERVISORY) | 35 | |
| Senior Environmental Planner | 20 | |
| Compliance Specialist | 17 | |
| SUPERVISING PROGRAM TECHNICIAN II | 13 | |
| Environmental Planner | 12 | |

Job Types

| Type | Active Job Ads | |
|-------------------------|----------------|--|
| Full-Time | 1,061 | |
| Permanent | 551 | |
| Remote | 156 | |
| Part-Time | 133 | |
| Temporary (unspecified) | 51 | |
| Temporary (long-term) | 7 | |
| Temp-to-Hire | 4 | |
| Temporary (short-term) | 2 | |
| Remote Not Indicated | 1,310 | |

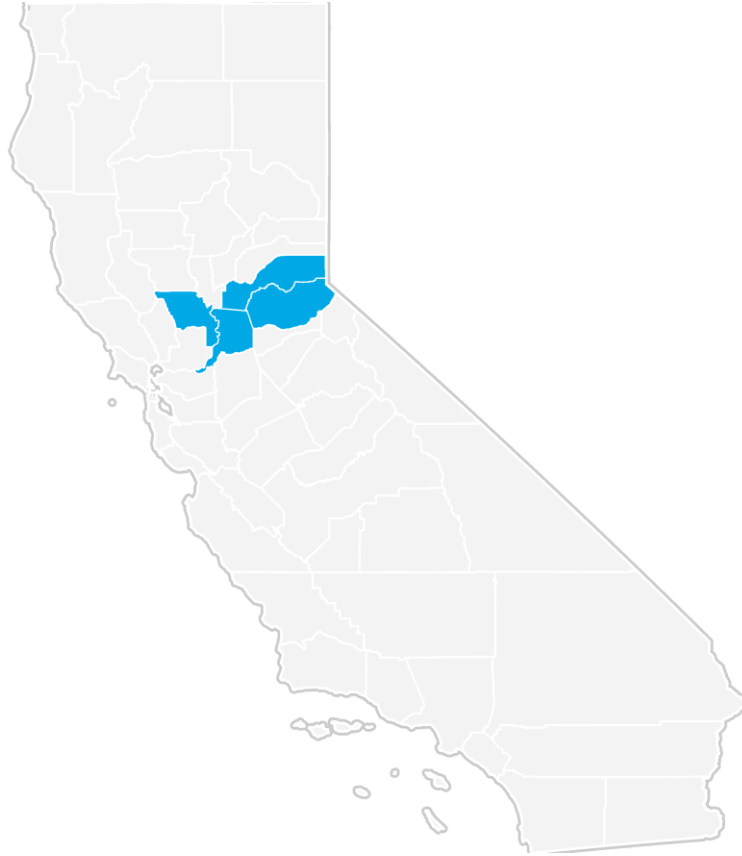
Programs

| Program Name | Active Job Ads | |
|-----------------------------|----------------|--|
| Environmental Science | 126 | |
| Biology | 102 | |
| Engineering | 67 | |
| Science | 64 | |
| Natural Resource Management | 47 | |
| Environmental | 37 | |
| Geology | 34 | |
| Chemistry | 33 | |
| Ecology | 30 | |
| Business | 26 | |

Education Levels

| Minimum Education Level | Active Job Ads | |
|-----------------------------------|----------------|--|
| Bachelor's degree | 452 | |
| High school diploma or equivalent | 65 | |
| Master's degree | 50 | |
| Associate's degree | 37 | |
| Doctoral or professional degree | 10 | |
| Unspecified/other | 852 | |

Sacramento-Roseville-Folsom, CA MSA Regional Map



Region Definition

Sacramento-Roseville-Folsom, CA MSA is defined as the following counties:

El Dorado County, California

Sacramento County, California

Placer County, California

Yolo County, California

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 07/05/2023 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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