

Careers Outlook for Majors in Chemistry and Biochemistry

in the

San Diego/Los Angeles/Orange/Riverside/Imperial
Counties

Source: Lightcast™
for the time period AUG 2021 to JULY 2022

College of Science, Technology, Engineering, and Mathematics
California State University San Marcos

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1 About

The data is based on The Analyst software by Lightcast™ for active full-time positions (32 hours or more) posted from AUG 2021 to July 2022 in the San Diego/Los Angeles/Orange/Riverside/Imperial Counties advertised for a Bachelor’s degree in Chemistry/Biochemistry as one of the educational requirements.

We used the following 2018 Standard Occupational Classifications (SOC):

- chemists (19-2031)
- chemical technicians (19-4031)
- biochemistry and biophysicists (19-1021)

2 Number of Unique Postings

There were 4,215 unique job postings:

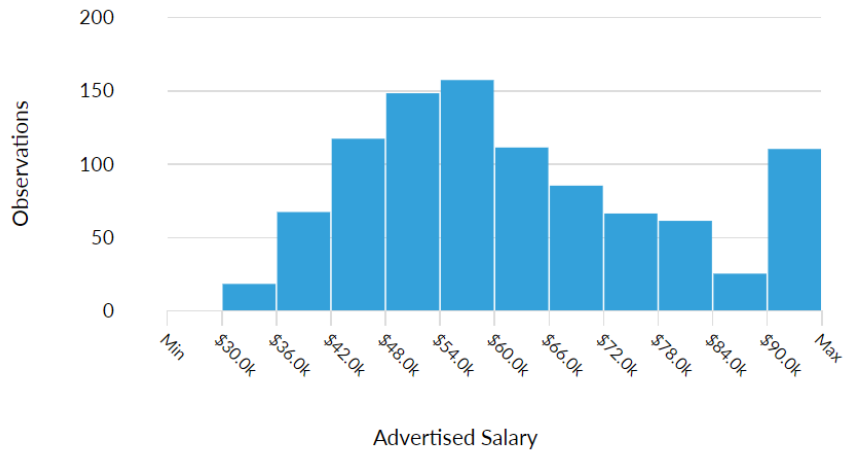
San Diego County	Los Angeles County	Orange County	Riverside County	Imperial County	Unique Postings
2,383	1,089	679	63	1	4,215



3 Median Advertised Salary

There are 965 advertised salary observations (23% of the 4,215 matching postings).

\$58.2K
Median Advertised Salary

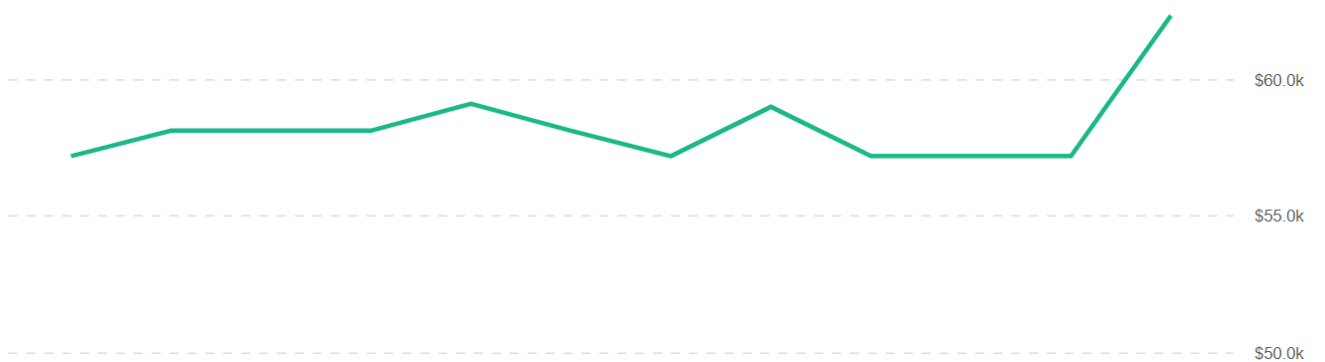


4 Advertised Wages Trend

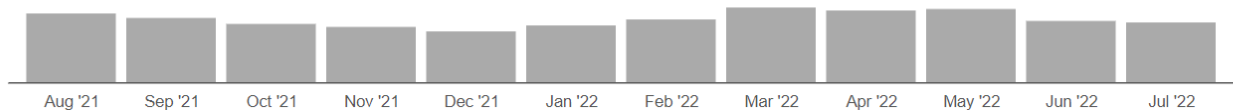
Advertised Wage Trend ⓘ

▲ **8.9%** Aug 2021 - Jul 2022
\$58.2k Median

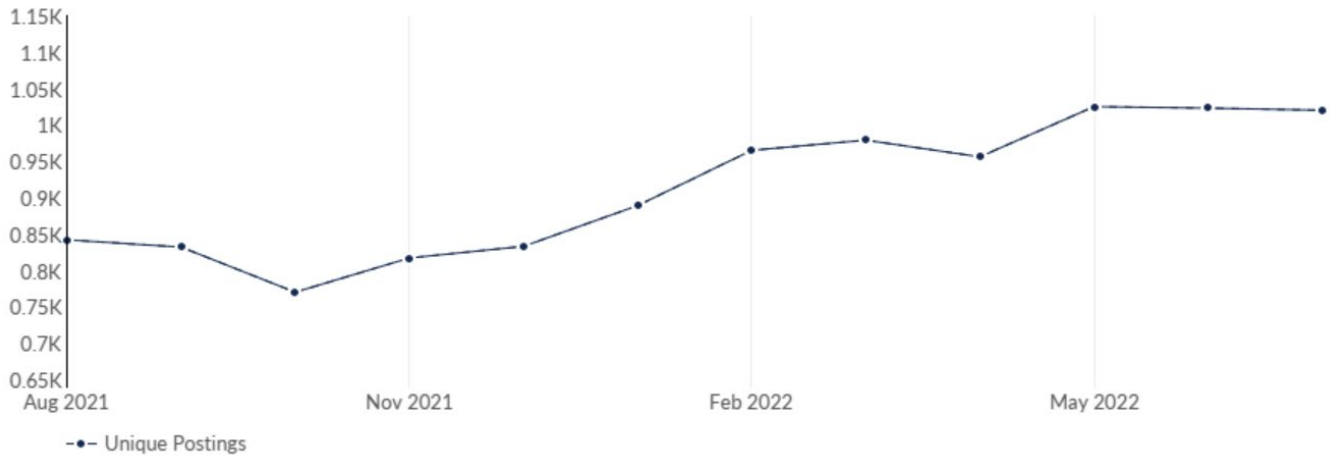
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967 Job Postings



5 Unique Postings Trend



6 Education Breakdown

Example: “A.A. or B.A. or equivalent work or educational experience preferred” will be counted in both Associate’s Degree and Bachelor’s Degree categories.

Education Level ?	Unique Postings	% of Total
No Education Listed	0	0%
High school or GED	222	5%
Associate degree	194	5%
Bachelor's degree	4,215	100%
Master's degree	1,494	35%
Ph.D. or professional degree	754	18%

7 Experience Breakdown

Example: “2-3 years” includes postings that request “at least 2 years of experience” OR “at least 3 years of experience.”

Minimum Experience [?]	Unique Postings	% of Total
No Experience Listed	981	23%
0 - 1 Years	1,030	24%
2 - 3 Years	1,116	26%
4 - 6 Years	704	17%
7 - 9 Years	175	4%
10+ Years	209	5%

8 Who’s Hiring

Company	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
Kelly Services	431 / 173	2 : 1	
Eurofins	940 / 171	5 : 1	
Takeda Pharmaceutical Company	377 / 129	3 : 1	
Actalent	669 / 121	6 : 1	
B. Braun	952 / 86	11 : 1	
Aerotek	189 / 70	3 : 1	
Thermo Fisher Scientific	184 / 64	3 : 1	
Cynet Systems	91 / 63	1 : 1	
Randstad	166 / 57	3 : 1	
Gilead Sciences	174 / 52	3 : 1	

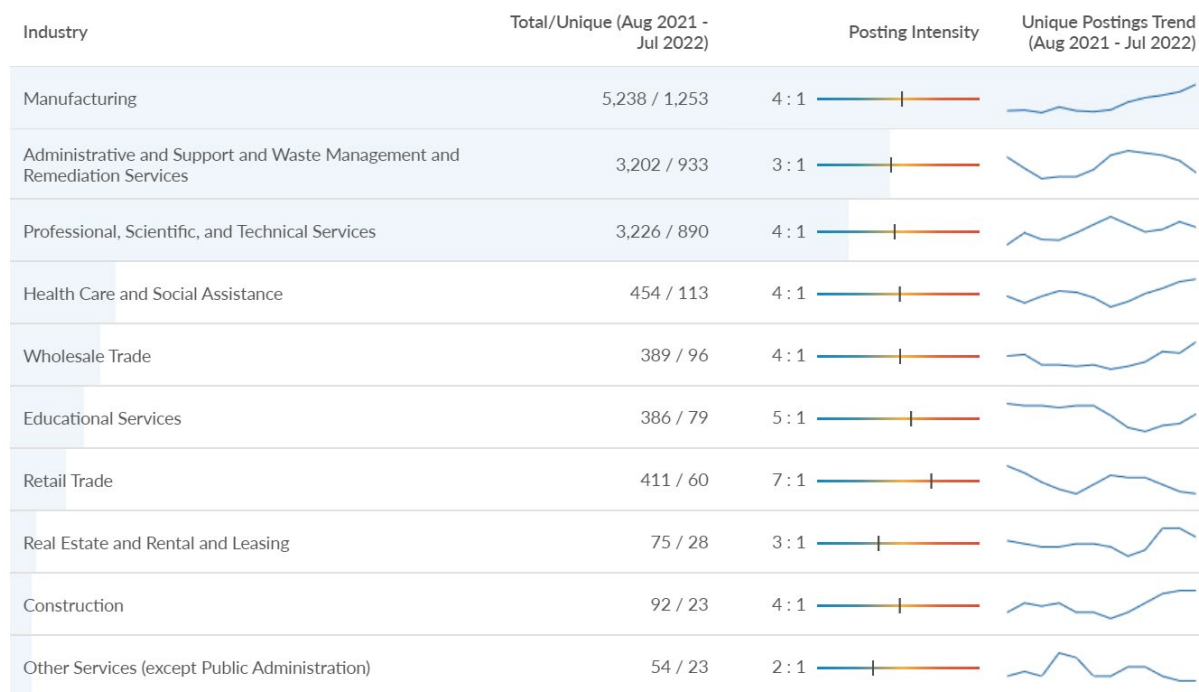
9 Top Cities Posting

City	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
San Diego, CA	5,997 / 1,841	3 : 1	
Irvine, CA	1,948 / 360	5 : 1	
Los Angeles, CA	894 / 279	3 : 1	
Carlsbad, CA	716 / 237	3 : 1	
Burbank, CA	310 / 98	3 : 1	
Oceanside, CA	237 / 76	3 : 1	
Santa Fe Springs, CA	330 / 74	4 : 1	
Torrance, CA	252 / 74	3 : 1	
Pasadena, CA	304 / 71	4 : 1	
Monrovia, CA	446 / 60	7 : 1	

10 Top Posted Job Titles

Job Title	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
Chemists	1,809 / 534	3 : 1	
Quality Control Chemists	1,482 / 294	5 : 1	
Analytical Chemists	999 / 279	4 : 1	
Research Associates	1,064 / 277	4 : 1	
Biochemists	739 / 228	3 : 1	
Production Chemists	600 / 183	3 : 1	
Chemistry Scientists	538 / 165	3 : 1	
Scientists	503 / 130	4 : 1	
Associate Scientists	338 / 106	3 : 1	
Research Scientists	249 / 71	4 : 1	

11 Top Industries



12 In-Demand Skills

12.1 Top Specialized Skills

Skills	Postings	% of Total Postings
Chemistry	3,155	75%
High-Performance Liquid Chromatography	1,481	35%
Good Manufacturing Practices	1,407	33%
Biology	1,376	33%
Biochemistry	1,323	31%
Laboratory Equipment	988	23%
Analytical Techniques	986	23%
Analytical Chemistry	875	21%
Laboratory Experience	820	19%
Pharmaceuticals	793	19%

12.2 Top Common Skills

Skills	Postings	% of Total Postings
Communications	1,743	41%
Research	1,686	40%
Troubleshooting (Problem Solving)	1,369	32%
Detail Oriented	1,319	31%
Management	938	22%
Problem Solving	937	22%
Quality Control	924	22%
Written Communication	801	19%
Operations	780	19%
Microsoft Excel	683	16%

12.3 Top Software Skills

Skills	Postings	% of Total Postings
Microsoft Excel	683	16%
Microsoft Office	395	9%
Microsoft PowerPoint	395	9%
Microsoft Word	281	7%
Microsoft Outlook	193	5%
R (Programming Language)	112	3%
Application Programming Interface (API)	110	3%
Python (Programming Language)	79	2%
OLIGO Primer Analysis Software	75	2%
SAP Applications	73	2%