

Careers Outlook for Majors in Biology

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 Biology as one of the educational requirements.

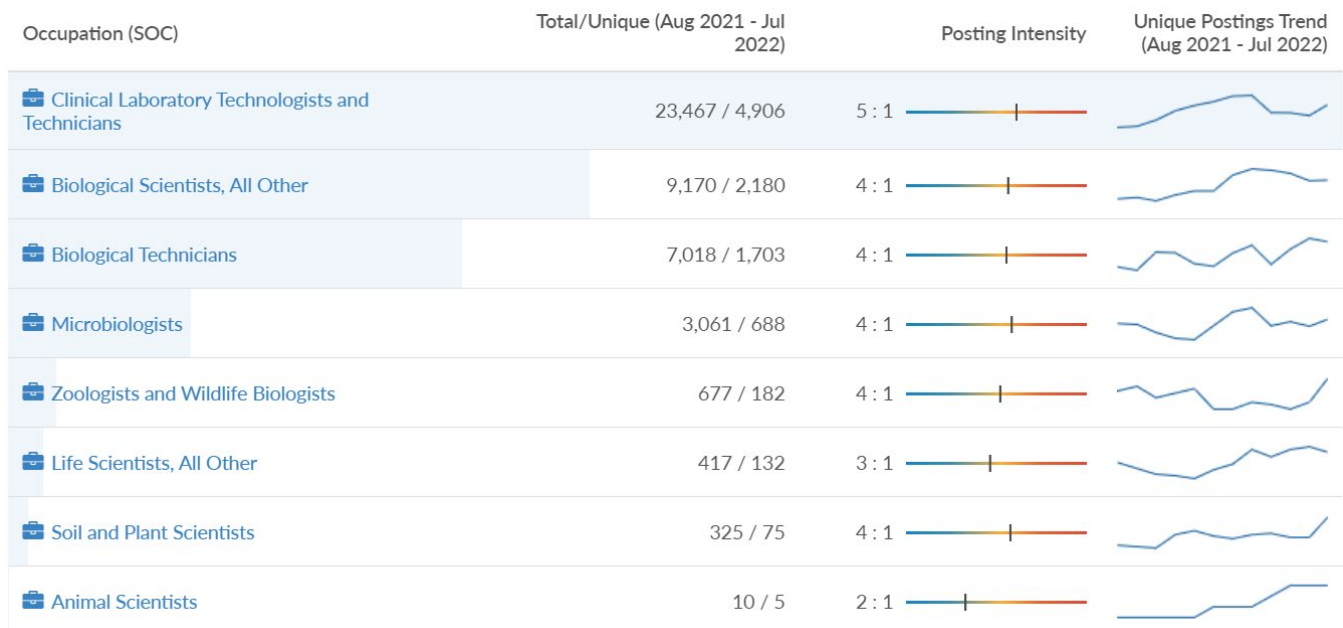
We used the 2018 Standard Occupational Classifications (SOC) for:

- animal scientist
- biological scientists, all other
- biological technician
- soil and plant scientists
- microbiologists
- life scientist
- zoologists and wildlife biologists
- clinical laboratory technologists and technicians

2 Number of Unique Postings

There were 9,871 unique job postings:

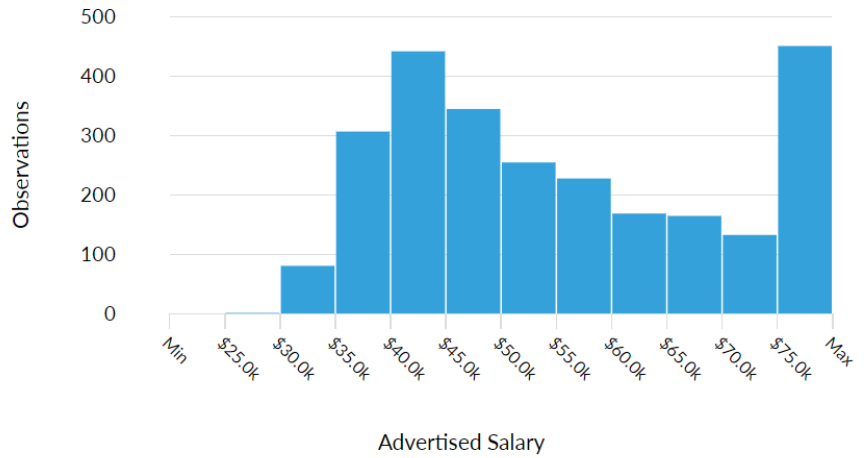
San Diego County	Los Angeles County	Orange County	Riverside County	Imperial County	Unique Postings
4,518	3,170	1,827	341	15	9,871



3 Median Advertised Salary

There are 2,567 advertised salary observations (26% of the 9,871 matching postings).

\$52.1K
Median Advertised Salary

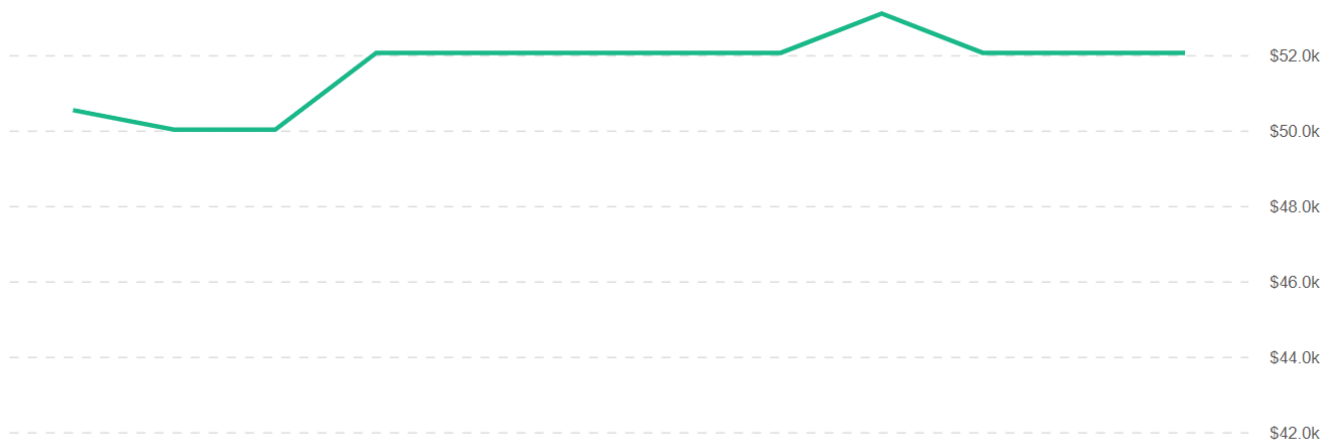


4 Advertised Wages Trend

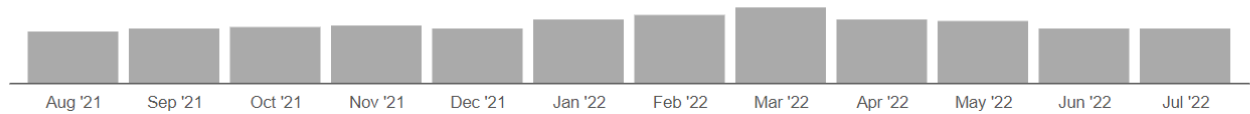
Advertised Wage Trend ⓘ

▲ **3.0%** Aug 2021 - Jul 2022
\$52.1k Median

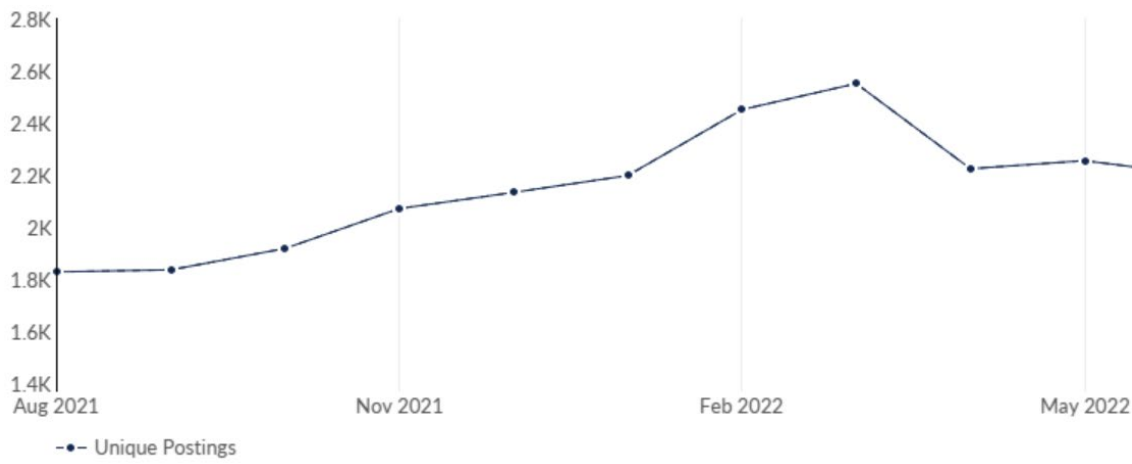
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2,567 Job Postings



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	1,382	14%
Associate degree	1,356	14%
Bachelor's degree	9,871	100%
Master's degree	2,816	29%
Ph.D. or professional degree	1,130	11%

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
No Experience Listed	2,588
0 - 1 Years	2,666
2 - 3 Years	2,617
4 - 6 Years	1,397
7 - 9 Years	323
10+ Years	280

8 Who’s Hiring

Company	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
Kelly Services	1,081 / 459	2 : 1	
University of California	2,378 / 306	8 : 1	
Actalent	1,562 / 263	6 : 1	
Thermo Fisher Scientific	547 / 152	4 : 1	
Eurofins	897 / 147	6 : 1	
Takeda Pharmaceutical Company	369 / 126	3 : 1	
LabCorp	772 / 119	6 : 1	
Cedars-Sinai	655 / 106	6 : 1	
Aerotek	439 / 103	4 : 1	
Professional Staffing Group	391 / 99	4 : 1	

















9 Top Cities Posting

City	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
San Diego, CA	14,956 / 3,525	4 : 1	
Los Angeles, CA	6,214 / 1,204	5 : 1	
Irvine, CA	6,266 / 879	7 : 1	
Carlsbad, CA	1,290 / 449	3 : 1	
Santa Monica, CA	735 / 294	3 : 1	
Santa Clarita, CA	751 / 170	4 : 1	
Pasadena, CA	787 / 166	5 : 1	
Riverside, CA	714 / 148	5 : 1	
Santa Ana, CA	514 / 122	4 : 1	
Orange, CA	539 / 111	5 : 1	

10 Top Posted Job Titles

Job Title	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
Laboratory Technicians	5,405 / 1,299	4 : 1	
Research Associates	3,940 / 873	5 : 1	
Laboratory Assistants	3,027 / 423	7 : 1	
Microbiologists	1,097 / 301	4 : 1	
Scientists	792 / 265	3 : 1	
Associate Scientists	686 / 223	3 : 1	
Biologists	557 / 205	3 : 1	
Molecular Biologists	508 / 166	3 : 1	
Research Technicians	563 / 147	4 : 1	
Clinical Laboratory Technicians	798 / 144	6 : 1	

11 Top Industries

Industry	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
Professional, Scientific, and Technical Services	8,801 / 2,109	4 : 1 	
Administrative and Support and Waste Management and Remediation Services	7,138 / 2,006	4 : 1 	
Manufacturing	5,931 / 1,409	4 : 1 	
Health Care and Social Assistance	7,409 / 1,112	7 : 1 	
Educational Services	3,937 / 547	7 : 1 	
Wholesale Trade	1,383 / 247	6 : 1 	
Other Services (except Public Administration)	351 / 78	5 : 1 	
Arts, Entertainment, and Recreation	173 / 57	3 : 1 	
Public Administration	265 / 51	5 : 1 	
Retail Trade	247 / 50	5 : 1 	

12 In-Demand Skills

12.1 Top Specialized Skills

Skills	Postings	% of Total Postings
Biology	5,033	51%
Molecular Biology	2,393	24%
Biochemical Assays	2,310	23%
Laboratory Experience	2,228	23%
Chemistry	2,195	22%
Laboratory Equipment	2,052	21%
Cell Cultures	2,015	20%
Biochemistry	2,012	20%
Microbiology	1,882	19%
Cell Biology	1,750	18%

12.2 Top Common Skills

Skills	Postings	% of Total Postings
Research	4,065	41%
Communications	3,995	40%
Detail Oriented	2,858	29%
Troubleshooting (Problem Solving)	2,406	24%
Quality Control	2,184	22%
Management	1,846	19%
Problem Solving	1,763	18%
Written Communication	1,573	16%
Microsoft Excel	1,472	15%
Operations	1,396	14%

12.3 Top Software Skills

Skills	Postings	% of Total Postings
Microsoft Excel	1,470	15%
Microsoft Office	1,318	13%
Microsoft PowerPoint	802	8%
Microsoft Word	688	7%
Microsoft Outlook	479	5%
R (Programming Language)	344	3%
Python (Programming Language)	238	2%
Geographic Information Systems	162	2%
Microsoft Access	126	1%
SAP Applications	102	1%