

Careers Outlook for Majors in Physics

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 Physics as one of the educational requirements.

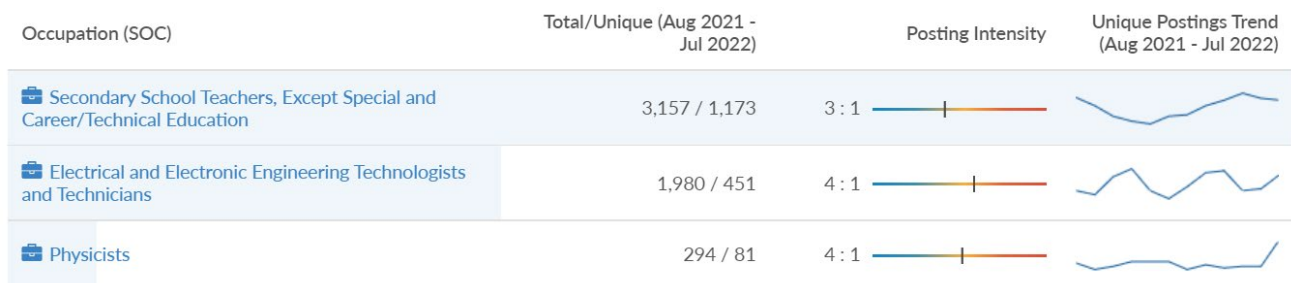
We used the 2018 Standard Occupational Classifications (SOC) for:

- physicists
- secondary school teachers
- electrical and electronic engineering technologists and technicians

2 Number of Unique Postings

There were 1,705 unique job postings:

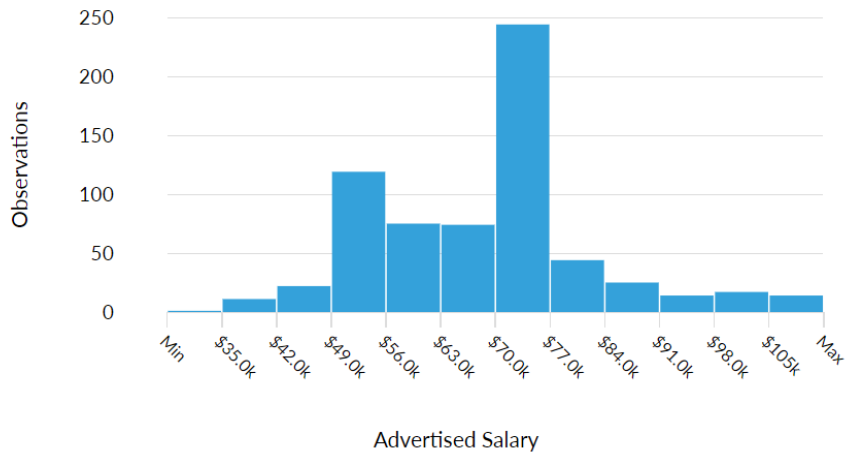
San Diego County	Los Angeles County	Orange County	Riverside County	Imperial County	Unique Postings
295	1,017	317	75	1	1,705



3 Median Advertised Salary

There are 660 advertised salary observations (39% of the 1,705 matching postings).

\$71.4K
Median Advertised Salary

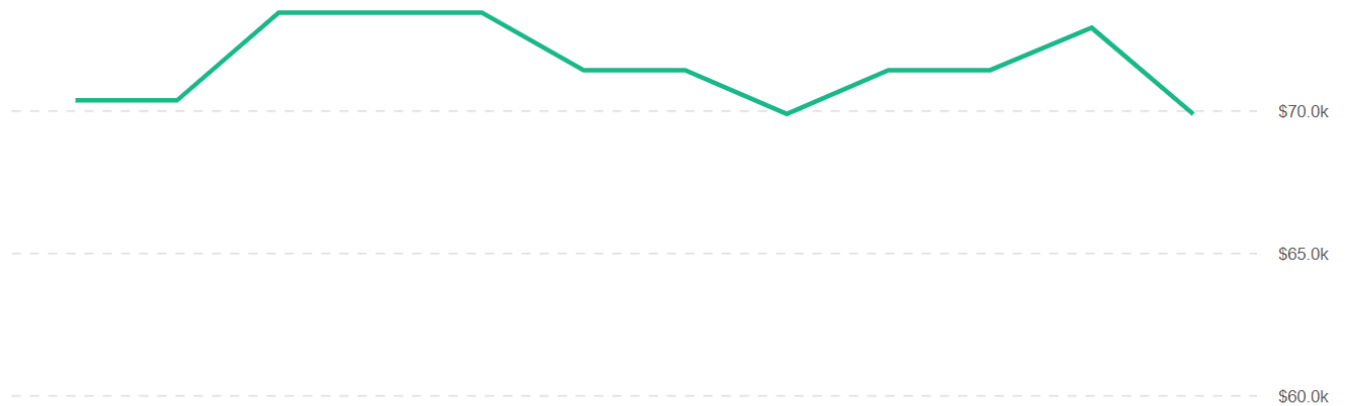


4 Advertised Wages Trend

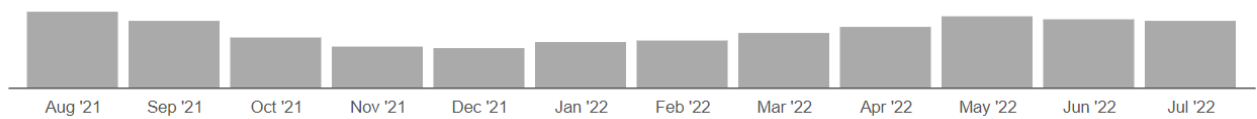
Advertised Wage Trend ⓘ

▼ 0.7% Aug 2021 - Jul 2022
\$71.4k Median

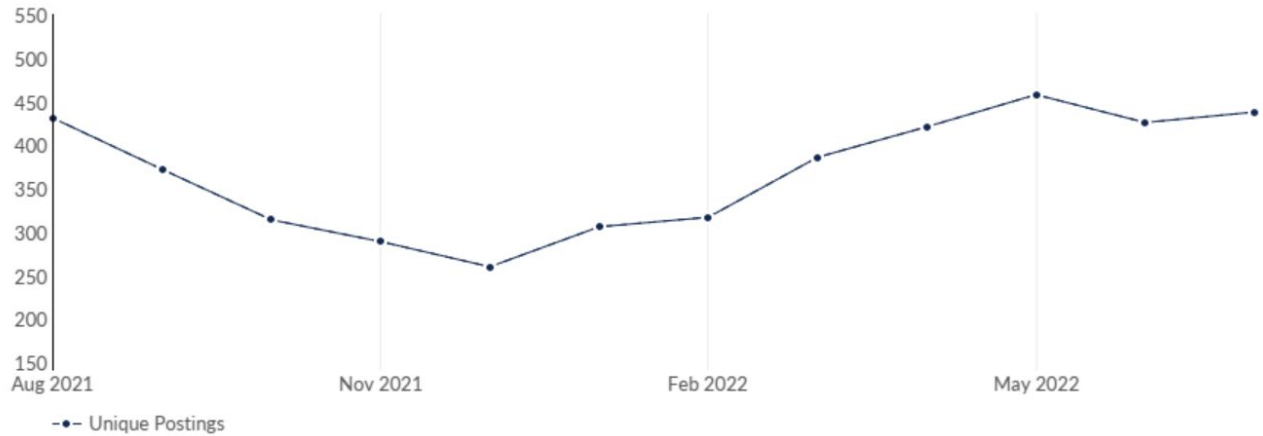
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660 Job Postings



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	208	12%
Associate degree	156	9%
Bachelor's degree	1,705	100%
Master's degree	415	24%
Ph.D. or professional degree	87	5%

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	978
0 - 1 Years	125
2 - 3 Years	286
4 - 6 Years	149
7 - 9 Years	99
10+ Years	68

8 Who’s Hiring

Company	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
Bartell Drugs	90 / 76	1 : 1	
Galileo Learning	109 / 40	3 : 1	
Selected	202 / 36	6 : 1	
Raytheon Technologies	69 / 32	2 : 1	
Boeing	88 / 31	3 : 1	
Puc Schools	49 / 18	3 : 1	
Pasadena High School	35 / 16	2 : 1	
Fusion Academy	146 / 14	10 : 1	
Calvary Chapel Costa Mesa	55 / 14	4 : 1	
Actalent	94 / 12	8 : 1	

9 Top Cities Posting

City	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
Los Angeles, CA	1,422 / 544	3 : 1	
San Diego, CA	831 / 199	4 : 1	
Irvine, CA	232 / 80	3 : 1	
Pasadena, CA	222 / 68	3 : 1	
Anaheim, CA	224 / 67	3 : 1	
Long Beach, CA	122 / 44	3 : 1	
Santa Ana, CA	117 / 42	3 : 1	
El Segundo, CA	74 / 38	2 : 1	
Riverside, CA	118 / 37	3 : 1	
Vista, CA	42 / 25	2 : 1	

10 Top Posted Job Titles

Job Title	Total/Unique (Aug 2021 - Jul 2022)	Posting Intensity	Unique Postings Trend (Aug 2021 - Jul 2022)
Mathematics Teachers	358 / 128	3 : 1	
High School Teachers	495 / 126	4 : 1	
Spanish Teachers	262 / 86	3 : 1	
High School English Teachers	130 / 64	2 : 1	
High School Mathematics Teachers	129 / 62	2 : 1	
High School Science Teachers	124 / 56	2 : 1	
Test Technicians	317 / 55	6 : 1	
Secondary English Teachers	284 / 52	5 : 1	
Elementary Instructors	188 / 50	4 : 1	
Secondary Science Teachers	241 / 49	5 : 1	

11 Top Industries



12 In-Demand Skills

12.1 Top Specialized Skills

Skills	Postings	% of Total Postings
Lesson Planning	331	19%
Mathematics Education	294	17%
Classroom Management	215	13%
Electrical Engineering	192	11%
Test Equipment	185	11%
Instructional Strategies	140	8%
Differentiated Instruction	127	7%
Chemistry	125	7%
Physics	125	7%
Electronics	123	7%

12.2 Top Common Skills

Skills	Postings	% of Total Postings
Teaching	1,039	61%
Communications	757	44%
Mathematics	369	22%
Troubleshooting (Problem Solving)	273	16%
Problem Solving	260	15%
Writing	236	14%
Planning	219	13%
Leadership	215	13%
Spanish Language	206	12%
Research	204	12%

12.3 Top Software Skills

Skills	Postings	% of Total Postings
Microsoft Office	120	7%
Microsoft Excel	87	5%
Microsoft Word	55	3%
Learning Management Systems	54	3%
Microsoft Outlook	51	3%
Microsoft PowerPoint	44	3%
Programmable Logic Controllers	36	2%
Firmware	35	2%
Python (Programming Language)	35	2%
Google Workspace	35	2%