



Labor Market Analysis: 1030.00 – Graphic Art and Design

Los Angeles Center of Excellence, June 2025

Program Endorsement:	Endorsed: All Criteria Met	<input checked="" type="checkbox"/>	Endorsed: Some Criteria Met	<input type="checkbox"/>	Not Endorsed	<input type="checkbox"/>
Program Endorsement Criteria						
Supply Gap:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Living Wage: (Entry-Level, 25 th)	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Education:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Emerging Occupation(s)						
Yes			<input type="checkbox"/>	No		
			<input checked="" type="checkbox"/>			

SUMMARY

This report analyzes whether local labor market demand is being met by community college programs aligned with the identified middle-skill occupations¹ or whether a shortage of workers exists. Labor market demand is measured by annual job openings while education supply is measured by the number of awards (degrees and certificates) conferred on average each year.

Based on the available data, there appears to be a supply gap for the three identified middle-skill occupations in the region. Furthermore, the majority of annual openings have entry-level wages that exceed the self-sufficiency standard wage in Los Angeles County, and approximately one-third of current workers in the field have completed an associate degree or less educational attainment.

Recommendation: Due to all three program endorsement criteria being met, the Los Angeles Center of Excellence for Labor Market Research (LA COE) endorses this proposed program.

Key Findings

Supply Gap

- 3,334 annual job openings are projected in the region through 2028. This number is greater than the three-year average of 1,346 awards conferred by educational institutions in the region.

Living Wage

- 58% of annual job openings for these graphic design occupations have entry-level wages **above** Los Angeles County's self-sufficiency standard hourly wage (\$24.03/hour).²

¹ Middle-skill occupations typically require some postsecondary education, but less than a bachelor's degree. The COE classifies middle-skill jobs as the following:

- All occupations that require an educational requirement of some college, associate degree or apprenticeship;
- All occupations that require a bachelor's degree, but also have more than one-third of their existing labor force with an educational attainment of some college or associate degree; or
- All occupations that require a high school diploma or equivalent or no formal education, but also require short- to long-term on-the-job training where multiple community colleges have existing programs.

² Center for Women's Welfare, University of Washington. (2024). *The self-sufficiency standard for California 2024*. <http://selfsufficiencystandard.org/California>.

Educational Attainment

- A bachelor's degree is the typical entry-level education for the target occupations in this report, according to the Bureau of Labor Statistics (BLS).
- 29%-43% of workers in the field have completed associate degree or less educational attainment, according to national educational attainment data.

Community college supply

- 26 community colleges issued awards related to digital media and/or graphic design in the greater LA/OC region.
- 514 awards (degrees and certificates) were conferred on average each year between 2021 and 2023.

Other postsecondary supply

- 25 educational institutions in the LA/OC region have conferred awards in programs related to graphic design over the past three years.
- 832 awards were conferred on average each year by other postsecondary institutions throughout the greater LA/OC region between 2020 and 2022.

TARGET OCCUPATIONS

LA COE prepared this report to provide regional labor market and postsecondary supply data related to three middle-skill graphic design occupations. Although the occupations in this report typically require a bachelor's degree, they are considered middle-skill because approximately one-third of workers in the field have completed an associate degree or less educational attainment. [For full occupation descriptions, please see Appendix.](#)

- **Web and Digital Interface Designers (15-1255)**³
- **Special Effects Artists and Animators (27-1014)**⁴
- **Graphic Designers (27-1024)**⁵

OCCUPATIONAL DEMAND

Exhibit 1 shows the five-year occupational demand projections for the target graphic design occupations. In the greater Los Angeles/Orange County region, the number of jobs related to these occupations is projected to decrease by less than 1% through 2028. However, there will be more than 3,300 job openings per year through 2028 due to retirements and workers leaving the field. The majority of jobs in 2023 for these middle-skill graphic design occupations (80%) were located in Los Angeles County.

³ [Web Developers and Digital Designers \(bls.gov\)](#)

⁴ [Special Effects Artists and Animators \(bls.gov\)](#)

⁵ [Graphic Designers \(bls.gov\)](#)

Exhibit 1: Current employment and occupational demand, Los Angeles and Orange counties⁶

Geography	2023 Jobs	2028 Jobs	2023-2028 Change	2023-2028 % Change	Annual Openings
Los Angeles	31,428	31,542	114	0%	2,695
Orange	7,956	7,800	(155)	(2%)	638
Total	39,383	39,342	(41)	(0%)	3,334

Detailed Occupation Data

Exhibit 2 displays the current employment and projected occupational demand for each of the target occupations in Los Angeles County. Positive scores for automation resilience⁷ reflect a lower-than-average threat of the occupation(s) being replaced by automation, while negative scores reflect a greater-than-average risk of automation. The average percentage of workers aged 55+ across all occupations in the Los Angeles/Orange County region is 26%; occupations with a larger share of workers aged 55 and older typically have greater replacement needs to offset the amount of impending retirements. On average, 81% of workers across all occupations in California are employed full-time. Occupations with a lower-than-average percentage of full-time workers may have less employment security but may see increased activity in the gig economy.

Exhibit 2: Detailed employment and occupational demand, Los Angeles County⁸

Occupation	2023 Jobs	2028 Jobs	5-Yr % Change	Annual Openings	Auto-mation Resilience	% Aged 55 and older	% Full Time Workers
Web and Digital Interface Designers	6,754	7,027	4%	536	11.6	8%	82%
Special Effects Artists and Animators	10,203	10,475	3%	1,017	27.8	27%	Data unavail.
Graphic Designers	14,471	14,040	(3%)	1,142	19.2	21%	73%
Total	31,428	31,542	0%	2,695	-	-	-

WAGES

The labor market endorsement in this report considers the entry-level hourly wages for the target graphic design occupations in Los Angeles County as they relate to the county's self-sufficiency

⁶ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

⁷ Automation risk is calculated based on the percentage of time spent on high-risk compared to low-risk work, the number of high-risk jobs in compatible occupations, and the overall industry automation risk.

⁸ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

standard wage. Orange County wages are included below in order to provide a complete analysis of the greater Los Angeles/Orange County region.

Los Angeles County

The majority, 58%, of annual openings for the target graphic design occupations have entry-level wages above the self-sufficiency standard wage for one adult (\$24.03 in Los Angeles County). Typical entry-level hourly wages are in a range between \$22.63 and \$38.23. (Exhibit 3).

Two occupations have entry-level wages above the self-sufficiency standard wage:

- *Special effects artists and animators*, \$38.23
- *Web and digital interface designers*, \$32.03

Experienced workers can expect to earn wages between \$45.77 and \$78.10, which are higher than the self-sufficiency standard.

Exhibit 3: Earnings for occupations in Los Angeles County

Occupation	Entry-Level Hourly Earnings (25 th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75 th Percentile)	Median Annual Earnings*
Web and Digital Interface Designers	\$32.03	\$46.47	\$70.36	\$96,700
Special Effects Artists and Animators	\$38.23	\$58.63	\$78.10	\$121,900
Graphic Designers	\$22.63	\$33.79	\$45.77	\$70,300

*Rounded to the nearest \$100

Orange County

The majority, 55%, of annual openings for the target graphic design occupations have entry-level wages below the self-sufficiency standard wage for one adult (\$27.13 in Orange County). Typical entry-level hourly wages are in a range between \$22.05 and \$32.51 (Exhibit 4).

Two occupations have entry-level wages above the self-sufficiency standard wage:

- *Special effects artists and animators*, \$32.51
- *Web and digital interface designers*, \$30.03

Experienced workers can expect to earn wages between \$44.00 and \$70.85, which are higher than the self-sufficiency standard.

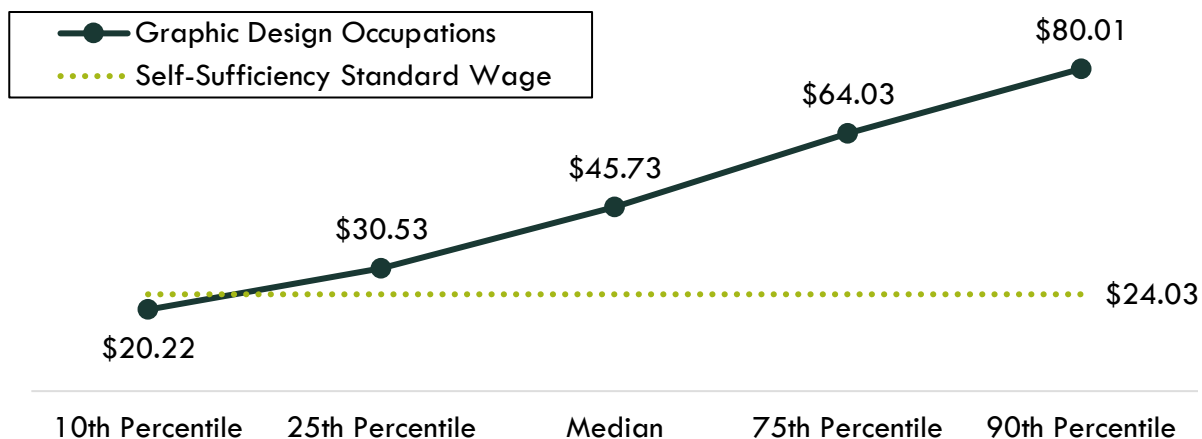
Exhibit 4: Earnings for occupations in Orange County

Occupation	Entry-Level Hourly Earnings (25 th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75 th Percentile)	Median Annual Earnings*
Web and Digital Interface Designers	\$30.03	\$43.67	\$66.49	\$90,800
Special Effects Artists and Animators	\$32.51	\$51.78	\$70.85	\$107,700
Graphic Designers	\$22.05	\$32.70	\$44.00	\$68,000

*Rounded to the nearest \$100

Across the greater Los Angeles and Orange County region, the average entry-level hourly earnings for the occupations in this report are \$30.53; this is above the living wage for one single adult in Los Angeles County (\$24.03). Exhibit 5 shows the average hourly wage for the occupations in this report, for entry-level to experienced workers.

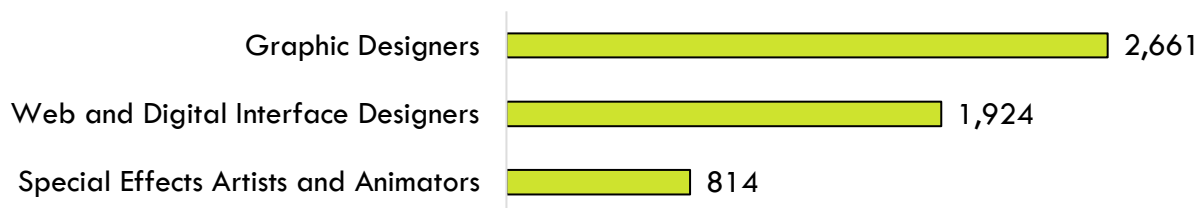
Exhibit 5: Average hourly earnings for graphic design occupations, Los Angeles and Orange counties



JOB POSTINGS

There were 5,399 online job postings related to graphic design listed in the past 12 months in Los Angeles and Orange counties. Exhibit 6 displays the number of job postings by occupation. The majority of job postings (49%) were for *graphic designers*, followed by *web and digital interface designers* (36%) and *special effects artists and animators* (15%).

Exhibit 6: Job postings by occupation (last 12 months), Los Angeles and Orange counties



Job postings were analyzed for the most common job titles, skills, and employers associated with the target occupations in this report (Exhibit 7).

Exhibit 7: Most commonly requested job titles, skills and employers in job postings, Los Angeles and Orange counties

Top Job Titles	Top Skills	Top Employers
<ul style="list-style-type: none"> • Graphic designers • UI/UX designers • Apparel graphic designers • UX researchers • Digital designers 	<ul style="list-style-type: none"> • Adobe Photoshop • Adobe Illustrator • Graphic design • Marketing • Adobe InDesign • User Experience (UX) 	<ul style="list-style-type: none"> • Canteen Vending • Amazon • Disney • 24 Seven • Netflix • Merit America

In the greater Los Angeles/Orange County region, 45% of the graphic design occupation job postings listed a minimum educational requirement. Exhibit 8 details the number and percentage of job postings by educational level.

Exhibit 8: Education levels requested in job postings for occupations related to graphic design, Los Angeles and Orange counties

Education Level	Job Postings	% of Job Postings
Bachelor's degree	2,075	85%
Associate degree	155	6%
High school diploma or vocational training	210	9%

EDUCATIONAL ATTAINMENT

The Bureau of Labor Statistics (BLS) lists a bachelor's degree as the typical entry-level education for each of the target occupations in this report (Exhibit 9). However, the national-level data indicates between 29% and 43% of workers in the field have completed an associate degree or less education as their highest level of educational attainment. The Bureau of Labor Statistics (BLS) lists the following typical entry-level education levels for the occupations in this report:

Exhibit 9: Entry-level education preferred by employers nationally, Bureau of Labor Statistics

Occupation	Education Level
Web and Digital Interface Designers	Bachelor's degree
Special Effects Artists and Animators	Bachelor's degree
Graphic Designers	Bachelor's degree

EDUCATIONAL SUPPLY

Community College Supply

Exhibit 10 shows the annual and three-year average number of awards conferred by community colleges in programs that have historically trained for the occupations of interest. The colleges with the most completions in the region are Santa Monica, Santa Ana, and Orange Coast.

Exhibit 10: Regional community college awards (certificates and degrees), 2021-2023

TOP Code	Program	College	2020-21 Awards	2021-22 Awards	2022-23 Awards	3-Year Average
0614.00	Digital Media	LA Mission	5	5	1	4
		LA Trade-Tech	18	12	14	15
		Mt San Antonio	-	-	2	1
		Pasadena	3	15	9	9
		Rio Hondo	1	1	-	1
		Santa Monica	-	19	6	8
		LA Subtotal	27	52	32	37
		Coastline	3	3	28	11
		Cypress	2	7	4	4
		Golden West	7	-	-	2
		Irvine	6	3	1	3
		Saddleback	1	1	2	1
		Santa Ana	6	34	71	37
		OC Subtotal	25	48	106	60
		Supply Subtotal/Average	52	100	138	97
0614.10	Multimedia	Glendale	-	4	-	1
		LA Mission	23	28	16	22
		Long Beach	-	-	1	0
		Santa Monica	9	-	-	3
		LA Subtotal	32	32	17	27
		Cypress	1	3	2	2
		Orange Coast	4	8	7	6
		Santiago Canyon	4	-	1	2
		OC Subtotal	9	11	10	10
		Supply Subtotal/Average	41	43	27	37
0614.30	Website Design and Development	Citrus	-	1	-	0
		LA Pierce	4	5	-	3
		Long Beach	-	-	6	2
		Mt San Antonio	6	1	-	2

TOP Code	Program	College	2020-21 Awards	2021-22 Awards	2022-23 Awards	3-Year Average
		Pasadena	1	7	3	4
		Santa Monica	3	2	5	3
		West LA	-	3	4	2
		LA Subtotal	14	19	18	17
		Coastline	1	-	4	2
		Fullerton	1	2	-	1
		Irvine	5	4	1	3
		Orange Coast	7	13	8	9
		Saddleback	7	4	6	6
		Santa Ana	1	-	-	0
		Santiago Canyon	6	5	2	4
		OC Subtotal	28	28	21	26
		Supply Subtotal/Average	42	47	39	43
0614.60	Computer Graphics and Digital Imagery	Citrus	26	7	11	15
		East LA	2	2	4	3
		Mt San Antonio	1	-	-	0
		LA Subtotal	29	9	15	18
		Cypress	-	-	1	0
		Fullerton	3	-	-	1
		Irvine	-	4	1	2
		Orange Coast	31	28	18	26
		Saddleback	2	3	7	4
		Santa Ana	3	2	4	3
		OC Subtotal	39	37	31	36
		Supply Subtotal/Average	68	46	46	53
1030.00	Graphic Art and Design	Cerritos	14	13	18	15
		East LA	8	6	9	8
		El Camino	-	-	1	0
		Glendale	9	10	8	9
		LA City	8	19	14	14
		LA Harbor	-	-	1	0
		LA Pierce	13	22	12	16
		LA Valley	1	5	1	2
		Long Beach	8	7	5	7
		Mt San Antonio	20	21	25	22

TOP Code	Program	College	2020-21 Awards	2021-22 Awards	2022-23 Awards	3-Year Average
		Pasadena	15	12	11	13
		Rio Hondo	28	23	54	35
		Santa Monica	43	51	68	54
		LA Subtotal	167	189	227	194
		Cypress	4	6	18	9
		Fullerton	14	15	18	16
		Golden West	20	16	13	16
		Irvine	21	27	17	22
		Saddleback	19	22	22	21
		Santa Ana	3	-	-	1
		Santiago Canyon	4	5	5	5
		OC Subtotal	85	91	93	90
Supply Subtotal/Average			252	280	320	284
Supply Total/Average			455	516	570	514

Other Postsecondary Supply

For a comprehensive regional supply analysis, it is important to consider the supply from other institutions in the region that provide training programs for the target occupations. Exhibit 11 shows the number of awards conferred by these institutions in relevant programs. Due to different data collection periods, the most recent data is from 2020 to 2022. Between 2020 and 2022, other postsecondary college institutions in the region conferred an average of 832 bachelor's and sub-baccalaureate awards. Sub-baccalaureate awards include associate degrees, postsecondary awards, and other academic awards that typically take fewer than four years to complete. The majority of awards (89%) in Exhibit 11 are bachelor's degrees (741), followed by sub-baccalaureate awards (91).

Exhibit 11: Other regional postsecondary awards, 2020-2022

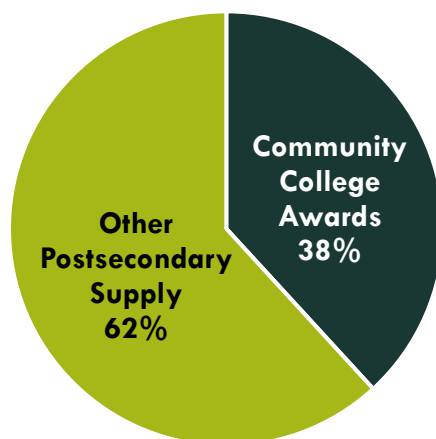
CIP Code	Program	Postsecondary Institution	2019-20 Awards	2020-21 Awards	2021-22 Awards	3-Year Average
09.0702	Digital Communication and Media/Multimedia	Azusa Pacific Univ.	-	-	3	1
		CSU-Dominguez Hills	41	57	33	44
		Columbia College Hollywood	-	28	5	11
		Fremont University	1	-	-	0
		Marymount CA Univ.	10	9	9	9
		Vanguard Univ. of Southern California	2	1	-	1

CIP Code	Program	Postsecondary Institution	2019-20 Awards	2020-21 Awards	2021-22 Awards	3-Year Average
10.0301	Graphic Communications, General	CSU-Los Angeles	9	10	9	9
10.0304	Animation, Interactive Technology, Video Graphics, and Special Effects	ABC Adult School	-	1	1	1
		Art Center College of Design	36	41	62	46
		Azusa Pacific Univ.	-	-	14	5
		CA Institute of the Arts	39	37	54	43
		Chapman University	20	22	23	22
		Columbia College Hollywood	-	11	2	4
		Gnomon	66	-	-	22
		Laguna College of Art and Design	33	25	29	29
		Los Angeles Film School	47	35	67	50
		Loyola Marymount Univ.	21	26	13	20
		New York Film Academy	24	10	15	16
11.0801	Web Page, Digital/Multimedia and Information Resources Design	LA Pacific College	-	4	6	3
11.0803	Computer Graphics	ABC Adult School	4	3	6	4
		LA Pacific College	12	5	6	8
11.0899	Computer Software and Media Applications, Other	Art Center College of Design	20	14	21	18
		CA Institute of the Arts	7	1	6	5
		Learnet Academy	10	9	2	7
50.0102	Digital Arts	Columbia College Hollywood	-	15	15	10
		Gnomon	-	31	29	20
		LA Academy of Figurative Art	4	-	5	3
		LA Pacific College	4	2	-	2
		Marymount California University	3	2	2	2

CIP Code	Program	Postsecondary Institution	2019-20 Awards	2020-21 Awards	2021-22 Awards	3-Year Average
		Otis College of Art and Design	48	52	90	63
		USC	15	35	33	28
		Woodbury University	2	-	-	1
50.0409	Graphic Design	Art Center College of Design	67	75	70	71
		CA Institute of the Arts	12	12	15	13
		CSPU-Pomona	89	113	105	102
		Chapman University	27	24	29	27
		Columbia College Hollywood	-	9	4	4
		Concordia Univ.-Irvine	10	7	9	9
		Fashion Institute of Design & Merch.	38	25	12	25
		Laguna College of Art and Design	25	26	24	25
		Los Angeles Film School	28	47	52	42
		LA Pacific College	8	2	7	6
		Supply Total/Average			782	826

Exhibit 12 shows the proportion of community college awards conferred in the greater Los Angeles/Orange County region compared to the number of other postsecondary awards for the programs in this report. The majority of awards conferred in these programs are awarded by other institutions in the greater Los Angeles/Orange County region.

Exhibit 12: Percentage of community college awards compared to other postsecondary institution awards in the Los Angeles/Orange County region



APPENDIX: OCCUPATION DESCRIPTIONS

LA COE prepared this report to provide regional labor market supply and demand data related to these target occupations:

- **Web and Digital Interface Designers (15-1255)** Design digital user interfaces or websites. Develop and test layouts, interfaces, functionality, and navigation menus to ensure compatibility and usability across browsers or devices. May use web framework applications as well as client-side code and processes. May evaluate web design following web and accessibility standards, and may analyze web use metrics and optimize websites for marketability and search engine ranking. May design and test interfaces that facilitate the human-computer interaction and maximize the usability of digital devices, websites, and software with a focus on aesthetics and design. May create graphics used in websites and manage website content and links.⁹
- **Special Effects Artists and Animators (27-1014)** Create special effects or animations using film, video, computers, or other electronic tools and media for use in products, such as computer games, movies, music videos, and commercials.¹⁰
- **Graphic Designers (27-1024)** Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a variety of mediums to achieve artistic or decorative effects.¹¹

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DATA SOURCES

- O*NET Online
- Lightcast (formerly Emsi)
- Bureau of Labor Statistics (BLS)
- California Employment Development Department, Labor Market Information Division, OES
- California Community Colleges Chancellor's Office Management Information Systems (MIS)
- Self-Sufficiency Standard at the Center for Women's Welfare, University of Washington
- Chancellor's Office Curriculum Inventory (COCI 2.0)



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⁹ [Web Developers and Digital Designers \(bls.gov\)](https://www.bls.gov)

¹⁰ [Special Effects Artists and Animators \(bls.gov\)](https://www.bls.gov)

¹¹ [Graphic Designers \(bls.gov\)](https://www.bls.gov)

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