

Program Endorsement Brief: 0614.40/Animation
2D Animation; 3D Animation; 3D Production; Visual Development
 Los Angeles/Orange County Center of Excellence, April 2019

Summary

The Los Angeles/Orange County Center of Excellence for Labor Market Research (COE) prepared this report to provide regional labor market supply and demand data related to animation. This report is intended to help determine whether there is demand in the local labor market that is not being met by the supply from community college programs that align with relevant occupations.

The following summarizes key findings from this data brief:

- The number of jobs for occupations related to animation is projected to decrease by 4% through 2023; however, nearly 2,400 job openings will be available annually due to replacement need.
- Over the past 12 months, there have been 1,650 online job postings related to animation in Los Angeles and Orange Counties.
- Three other related program recommendation requests were received in 2018 from regional community colleges.
- Between 2015 and 2018, 12 community colleges in the region conferred an average of 83 awards annually (associate degrees and certificates) in animation programs.

Occupational Demand — In Los Angeles/Orange County, the number of jobs related to animation is projected to decrease by 4%. However, due to retirements and workers leaving the field there will be nearly 2,400 job openings per year through 2023 (Exhibit 1).

Exhibit 1: Occupational demand in Los Angeles and Orange Counties¹

Geography	2018 Jobs	2023 Jobs	2018-2023 Change	2018-2023 % Change	Annual Openings
Los Angeles	25,081	23,925	(1,156)	(5%)	2,238
Orange	1,514	1,594	80	5%	148
Total	26,595	25,520	(1,075)	(4%)	2,386

¹ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Wages — Entry-level wages for animation-related occupations in the region are between \$12.67 and \$18.88. Entry-level wages for multimedia artists and animators, and sound engineering technicians are lower than the MIT Living hourly wage for one adult in the region (\$14.36 in Los Angeles County and \$15.85 in Orange County). Appendix B shows hourly wages for each occupation and by county.

Job Postings — There were 1,650 online job postings related to animation listed in the past 12 months. The majority of job postings were for video editors, animators, and graphic designers. Top specialized skills include: Adobe Photoshop, animation, and Adobe After Effects. The top three employers, by number of job postings, in the region are: Activision, Electronic Arts Incorporated, and Blizzard Entertainment.

Educational Attainment — The BLS lists a Bachelor’s degree as the typical entry-level education for multimedia artists and animators, and film and video editors; a postsecondary certificate for sound engineering technicians. The national-level educational attainment data indicates between 27% and 45% of workers in the field have completed some college or an associate degree. In Los Angeles/Orange County, 89% of job postings request a Bachelor’s degree.

Community College Supply — Appendix A shows the annual and three-year average number of awards conferred by community colleges in Animation (0614.40). The colleges with the most completions in the region are: Mt. San Antonio and Santa Monica. Last year, there were three other related program recommendation requests from regional community colleges.

Appendix A: Regional community college awards (certificates and degrees), 2015-2018

TOP Code	Program	College	2015-16 Awards	2016-17 Awards	2017-18 Awards	3-Year Award Average
0614.40	Animation	Cerritos	3	4	3	3
		Cypress	1	9	3	4
		East LA	9	3	6	6
		El Camino	1	0	1	1
		Fullerton	0	0	1	0
		Glendale	4	3	4	4
		Irvine	0	0	1	0
		LA Mission	3	4	4	4
		Mt San Antonio	26	19	53	33
		Rio Hondo	10	11	11	11
		Santa Ana	2	5	2	3
		Santa Monica	13	12	17	14
		Total/Average	71	71	108	83

Appendix B: Occupational demand and wage data by county

Exhibit 2. Los Angeles County

Occupation (SOC)	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
Film and Video Editors (27-4032)	13,684	13,233	(451)	(3%)	1319	\$18.99	\$32.33	\$99.96
Multimedia Artists and Animators (27-1014)	7349	6892	(457)	(6%)	564	\$12.82	\$33.52	\$59.33
Sound Engineering Technicians (27-4014)	4048	3801	(247)	(6%)	355	\$13.37	\$31.65	\$67.79
Total	25,081	23,925	(1,156)	(5%)	2,238			

Exhibit 3. Orange County

Occupation (SOC)	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
Multimedia Artists and Animators (27-1014)	769	796	27	4%	66	\$11.75	\$24.11	\$43.67
Film and Video Editors (27-4032)	387	435	48	12%	48	\$18.74	\$27.69	\$56.46
Sound Engineering Technicians (27-4014)	357	363	6	2%	34	\$17.61	\$31.31	\$48.65
Total	1,514	1,594	80	5%	148			

Exhibit 4. Los Angeles and Orange Counties

Occupation (SOC)	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
Film and Video Editors (27-4032)	14,071	13,668	(403)	(3%)	1,366	\$18.88	\$32.13	\$102.12
Multimedia Artists and Animators (27-1014)	8,119	7,688	(431)	(5%)	630	\$12.67	\$32.15	\$58.99
Sound Engineering Technicians (27-4014)	4,405	4,164	(241)	(5%)	389	\$13.55	\$31.60	\$67.57
Total	26,595	25,520	(1,075)	(4%)	2,386			

Appendix C: Sources

- O*NET Online
- Labor Insight/Jobs (Burning Glass)
- Economic Modeling Specialists, International (EMSI)
- Employment Development Department, Labor Market Information Division, OES
- Employment Development Department, Unemployment Insurance Dataset
- Living Insight Center for Community Economic Development
- California Community Colleges Chancellor's Office Management Information Systems (MIS)
- MIT Living Wage
- Chancellor's Office Curriculum Inventory (COCI 2.0)

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