

Program Endorsement Brief: 0612.20/Film Production
Associates Degree in Visual Effects and Certificate of Achievement in Visual Effects
 Los Angeles/Orange County Center of Excellence, October 2018

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 visual effects. 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 graphic designers, film and video editors, multimedia artists and animators is projected to increase by 5% through 2022. Nearly 4,500 job openings will be available annually due to new job growth and replacement need.
- Over the past 12 months, there were 2,124 online job postings related to the three occupations of interest in the region.
- In Los Angeles/Orange County, there are 24 colleges that may train for the occupations studied in this report.
- Between 2014 and 2017, community colleges in the region conferred an average of 356 awards (associate degrees and certificates) in related training programs.

Occupational Demand—In Los Angeles/Orange County, the number of jobs for graphic designers, film and video editors, and multimedia artists and animators is projected to increase by 5%. There will be nearly 4,500 job openings per year through 2022 (Exhibit 1).

Exhibit 1: Occupational demand in Los Angeles and Orange Counties¹

Geography	2017 Jobs	2022 Jobs	2017-2022 Change	2017-2022 % Change	Annual Openings
Los Angeles	37,957	40,127	2,170	6%	3,934
Orange	5,399	5,468	69	1%	503
Total	43,356	45,595	2,239	5%	4,437

Wages—Entry-level hourly wages for the three occupations of interest in the region are between \$12.23 and \$18.96. Entry-level wages for film and video editors are higher than the MIT Living hourly wage for one adult in the region (\$13.54 in Los Angeles County, \$15.31 in Orange County). Experienced workers earn between \$40.09 and \$101.64/hour, which is higher than the living wage. Regional wages are above the average statewide wage for the occupations.

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.

Job Postings—There were 2,124 online job postings related to the three occupations of interest listed in the past 12 months. The majority of job postings were for: graphic designers, video editors, and animators. Top specialized skills include: graphic design, Adobe programs (Photoshop, InDesign, Illustrator, Acrobat, Creative Suite, After Effects), and video editing.

Educational Attainment—The BLS lists a Bachelor’s degree as the typical entry-level education for these occupations. The national-level educational attainment data indicates between 27% and 30% of workers in the field have completed some college or an associate degree. Of job postings including a minimum education requirement in Los Angeles/Orange County, 50% request at least a high school diploma or vocational training.

Community College Supply—Appendix A shows the annual and three-year average number of awards conferred by community colleges in the related TOP codes: Film Production (0612.20), Digital Media (0614.00), Multimedia (0614.10), Animation (0614.40), Computer Graphics and Digital Imagery (0614.60). Between January and September 2018, there were two other related program recommendation requests from regional community colleges.

Appendix A: Regional community college awards (certificates and degrees), 2014-2017

TOP Code	Program	College	2014-15 Awards	2015-16 Awards	2016-2017 Awards	3-Year Award Average
0612.20	Film Production	Cerritos	5	6	5	5
		LA City	70	67	55	64
		LA Valley	4	19	12	12
		Orange Coast	21	46	36	34
		Saddleback	9	9	7	8
		Santa Monica	N/A	10	24	17
		West LA	27	28	29	28
Subtotal/Average			136	185	168	163
0614.00	Digital Media	Coastline	N/A	3	N/A	3
		East LA	N/A	N/A	1	1
		Golden West	10	21	13	15
		Irvine	7	12	8	9
		LA Pierce	N/A	N/A	1	1
Subtotal/Average			17	36	23	25
0614.10	Multimedia	Cypress	1	N/A	1	1
		East LA	1	1	N/A	1
		LA Mission	10	18	7	12
		Long Beach	N/A	1	1	1
		Orange Coast	5	N/A	3	4
		Pasadena	3	3	1	2
		Santa Monica	5	3	6	5
Santiago Canyon	N/A	3	3	3		
Subtotal/Average			25	29	22	25

TOP Code	Program	College	2014-15 Awards	2015-16 Awards	2016-2017 Awards	3-Year Award Average
0614.40	Animation	Cerritos	1	3	4	3
		Cypress	3	1	9	4
		East LA	3	9	3	5
		El Camino	N/A	1	N/A	1
		Glendale	4	3	4	4
		Irvine	1	N/A	N/A	1
		LA Mission	2	3	4	3
		Mt San Antonio	29	26	19	25
		Rio Hondo	7	10	11	9
		Santa Ana	3	2	5	3
		Santa Monica	15	13	12	13
Subtotal/Average			68	71	71	70
0614.60	Computer Graphics and Digital Imagery	Citrus	9	13	7	10
		Coastline	4	2	1	2
		Cypress	9	5	11	8
		Fullerton	2	N/A	N/A	2
		Irvine	6	1	N/A	4
		Long Beach	1	N/A	N/A	1
		Mt San Antonio	6	1	N/A	4
		Orange Coast	37	24	28	30
		Saddleback	8	4	8	7
		Santa Ana	6	17	7	10
Subtotal/Average			88	67	62	72
Total/Average			334	388	346	356

Appendix B: Occupational demand and wage data by county

Exhibit 2. Los Angeles County

Occupation (SOC)	2017 Jobs	2022 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
Graphic Designers (27-1024)	16,053	16,038	15	0%	1,483	\$14.81	\$21.24	\$39.77
Film and Video Editors (27-4032)	14,273	15,936	1,663	12%	1,732	\$19.03	\$32.60	\$99.63
Multimedia Artists and Animators (27-1014)	7,630	8,153	523	7%	719	\$12.36	\$32.99	\$59.01
Total	37,956	40,127	2,171	6%	3,934			

Exhibit 3. Orange County

Occupation (SOC)	2017 Jobs	2022 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
Graphic Designers (27-1024)	4,237	4,251	14	0%	394	\$15.33	\$21.56	\$37.63
Multimedia Artists and Animators (27-1014)	776	797	21	3%	65	\$11.48	\$23.54	\$43.42
Film and Video Editors (27-4032)	386	421	35	9%	44	\$20.82	\$29.18	\$60.59
Total	5,399	5,469	70	1%	503			

Exhibit 4. Los Angeles and Orange Counties

Occupation (SOC)	2017 Jobs	2022 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
Graphic Designers (27-1024)	20,290	20,288	2	0%	1,877	\$14.90	\$21.34	\$40.09
Film and Video Editors (27-4032)	14,659	16,357	1,698	12%	1,776	\$18.96	\$32.47	\$101.64
Multimedia Artists and Animators (27-1014)	8,406	8,950	544	6%	785	\$12.23	\$31.62	\$58.72
Total	43,355	45,595	2,240	5%	4,438			

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

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