

**Program Endorsement Brief: 0612.20 – Film Production
Sound and Music for Film (Certificate)**

Los Angeles/Orange County Center of Excellence, December 2021

Summary Analysis

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, 25th)	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"/>	

The Los Angeles/Orange County Center of Excellence for Labor Market Research (COE) prepared this report to provide Los Angeles/Orange County regional labor market supply and demand data related to three occupations:

- *Audio and video technicians (27-4011),*
- *Sound engineering technicians (27-4014), and*
- *Film and video editors (27-4032)*

Middle-skill occupations typically require some postsecondary education, but less than a bachelor’s degree.¹ While *film and video editors* typically require a bachelor’s degree, this occupation is included because the program of interest may teach some of the relevant skills necessary for employment in this occupation, as well as to illuminate a pathway for students who continue their education past the community college level. 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 the relevant occupations.

Based on the available data, there appears to be a supply gap in the region for the three occupations of interest. Furthermore, the majority of job openings have entry-level wages that exceed the self-sufficiency standard wage in Los Angeles County, and half of the annual openings (50%) in the region require a postsecondary non-degree award. **Therefore, due to all of the criteria being met, the COE endorses this proposed program.** Detailed reasons include:

Demand:

- **Supply Gap Criteria** – Over the next five years, there is projected to be **2,000 jobs available annually** in the region due to new job growth and replacements, **which is more than the 1,416 awards conferred annually** by educational institutions in the region.

¹ 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.

- **Living Wage Criteria** – In Los Angeles County, the majority (83%) of annual job openings for the occupations of interest have entry-level wages above the self-sufficiency standard wage (\$18.10/hour).²
- **Educational Criteria** – Within the LA/OC region, 50% of the annual job openings for the occupations of interest typically require a postsecondary non-degree award.
 - National-level educational attainment data indicates that between 26% and 38% of workers in the field have completed some college or an associate degree.

Supply:

- Between 2017 and 2020, 15 community colleges in the LA/OC region issued awards in film production and commercial music programs, conferring an average of 543 awards.
- Between 2016 and 2019, non-community college institutions in the region conferred an average of 873 awards in relevant programs.

Occupational Demand

Exhibit 1 shows the five-year occupational demand projections for the three occupations in this report. In Los Angeles/Orange County, the number of jobs related to these occupations is projected to increase by 4% through 2025. There will be 2,000 job openings per year through 2025 due to job growth and replacements.

This report includes employment projection data by Emsi which uses EDD information. Emsi’s projections are modeled on recorded (historical) employment figures and incorporate several underlying assumptions, including the assumption that the economy, during the projection period, will be at approximately full employment. To the extent that a recession or labor shock, such as the economic effects of COVID-19, can cause long-term structural change, it may impact the projections. At this time, it is not possible to quantify the full impact of COVID-19 on projections of industry and occupational employment. Therefore, the projections included in this report do not take the full impacts of COVID-19 into account.

Exhibit 1: Occupational demand in Los Angeles and Orange Counties³

Geography	2020 Jobs	2025 Jobs	2020-2025 Change	2020-2025 % Change	Annual Openings
Los Angeles	18,434	19,216	782	4%	1,863
Orange	1,304	1,363	60	5%	137
Total	19,738	20,580	842	4%	2,000

² Self-Sufficiency Standard wage data was pulled from The Self-Sufficiency Standard Tool for California on 12/20/2021. For more information, visit: <http://selfsufficiencystandard.org/california>.

³ 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

The labor market endorsement in this report considers the hourly wages for the occupations of interest in Los Angeles County, as they relate to the county's self-sufficiency standard wage. Orange County wages are included below in order to provide a complete analysis of the LA/OC region. Detailed wage information, by county, is included in Appendix A.

Los Angeles County — The majority (83%) of annual openings for the three occupations have entry-level wages **above** the self-sufficiency standard wage for one adult (\$18.10 in Los Angeles County). Typical entry-level hourly wages are in a range between \$17.16 and \$24.60. Experienced workers can expect to earn wages between \$44.16 and \$69.00, which are above the self-sufficiency standard wage estimate.

Orange County — All three occupations have entry-level wages **below** the self-sufficiency standard wage for one adult (\$20.63 in Orange County). Typical entry-level hourly wages are in a range between \$15.80 and \$19.46. Experienced workers can expect to earn wages between \$41.35 and \$59.11, which are above the self-sufficiency standard wage estimate.

Job Postings

Over the past 12 months, there have been 1,985 online job postings related to the three occupations of interest. The highest number of job postings were for video editors, audio visual technicians, audio engineers, junior video editors, and sound designers. The top skills were video editing, Adobe Premiere, Adobe After Effects, Adobe Photoshop, music, and social media. The top employers, by number of job postings, in the region were Encore Global, Encore, Live Nation Worldwide, Sony, and Amazon/

It is important to note that the job postings data included in this section reflects online job postings listed in the past 12 months and does not yet demonstrate the full impact of COVID-19. While employers have generally posted fewer online job postings since the beginning of the pandemic, the long-term effects are currently unknown.

Educational Attainment

The Bureau of Labor Statistics (BLS) lists the following typical entry-level education levels for the occupations in this report:

- **Postsecondary non-degree award:** *Audio and video technicians; and sound engineering technicians*
- **Bachelor's degree:** *Film and video editors*

In the LA/OC region, half of the annual job openings (50%) typically require a postsecondary non-degree award. The other half require a bachelor's degree. National-level educational attainment data indicates that between 26% and 38% of workers in the field have completed some college or an associate degree. Of the 38% of job postings listing a minimum education requirement in Los Angeles/Orange County, 48% (362) requested high school or vocational training, 10% (78) requested an associate degree, and 42% (318) requested a bachelor's degree.

Educational Supply

Community College Supply — Exhibit 2 shows the annual and three-year average number of awards conferred by community colleges in Film Production (TOP 0612.20) and Commercial Music (TOP 1005.00). The community colleges with the most completions in the region are LA City, Citrus, and Orange Coast.

Exhibit 2: Regional community college awards (certificates and degrees), 2017-2020

TOP Code	Program	College	2017-18 Awards	2018-19 Awards	2019-20 Awards	3-Year Average
0612.20	Film Production	Cerritos	6	10	8	8
		LA City	34	61	62	52
		LA Valley	10	42	31	28
		Long Beach	4	3	-	2
		Santa Monica	27	40	59	42
		West LA	37	33	7	26
		LA Subtotal	118	189	167	158
		Orange Coast	48	49	48	48
		Saddleback	9	7	3	6
		OC Subtotal	57	56	51	55
Supply Subtotal/Average			175	245	218	213
1005.00	Commercial Music	Cerritos	9	3	5	6
		Citrus	58	58	51	56
		Glendale	3	-	-	1
		LA City	183	313	129	208
		LA Harbor	2	6	4	4
		LA Valley	21	7	10	13
		Long Beach	4	-	-	1
		LA Subtotal	280	387	199	289
		Cypress	15	9	17	14
		Fullerton	6	5	10	7
		Irvine Valley	-	1	1	1
		Orange Coast	3	7	8	6
		Saddleback	11	7	9	9
		Santa Ana	5	7	4	5
		OC Subtotal	40	36	49	42
Supply Subtotal/Average			320	423	248	330
Supply Total/Average			495	668	466	543

Non-Community College Supply — For a comprehensive regional supply analysis, it is important to consider the supply from other institutions in the region that may provide the necessary training for the occupations of interest. Exhibit 3 shows the annual and three-year average number of awards conferred across four programs. Due to different data collection periods, the most recent three-year period of available data is from 2016 to 2019. Between 2016 and 2019, non-community college institutions in the region conferred an average of 873 awards.

Exhibit 3: Regional non-community college awards, 2016-2019

CIP Code	Program	Institution	2016-17 Awards	2017-18 Awards	2018-19 Awards	3-Year Average
10.0203	Recording Arts Technology/ Technician	Los Angeles Film School	161	139	54	118
		Musicians Institute	159	113	115	129
		SAE Institute of Technology – Los Angeles	121	74	-	65
50.0602	Cinematography and Film/Video Production	FIDM - Fashion Institute of Design & Merchandising-Los Angeles	14	7	9	10
		Los Angeles Film School	77	90	89	85
		New York Film Academy	88	121	133	107
50.0913	Music Technology	Los Angeles College of Music	14	10	3	9
		Los Angeles Film School	211	329	416	319
50.1003	Music Management	Los Angeles College of Music	1	-	2	1
		Musicians Institute	33	25	30	29
Supply Total/Average			879	908	831	873

Appendix A: Occupational demand and wage data by county

Exhibit 4. Los Angeles County

Occupation (SOC)	2020 Jobs	2025 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings (25 th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75 th Percentile)
Audio and Video Technicians (27-4011)	5,775	5,923	148	3%	606	\$20.68	\$30.83	\$44.16
Sound Engineering Technicians (27-4014)	3,050	3,078	29	1%	312	\$17.16	\$30.25	\$51.32
Film and Video Editors (27-4032)	9,610	10,215	605	6%	945	\$24.60	\$39.49	\$69.00
Total	18,434	19,216	782	4%	1,863	-	-	-

Exhibit 5. Orange County

Occupation (SOC)	2020 Jobs	2025 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings (25 th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75 th Percentile)
Audio and Video Technicians (27-4011)	659	662	4	1%	66	\$19.30	\$28.73	\$41.35
Sound Engineering Technicians (27-4014)	227	229	2	1%	24	\$15.80	\$28.43	\$48.75
Film and Video Editors (27-4032)	419	472	54	13%	47	\$19.46	\$32.88	\$59.11
Total	1,304	1,363	60	5%	137	-	-	-

Exhibit 6. Los Angeles and Orange Counties

Occupation (SOC)	2020 Jobs	2025 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Typical Entry-Level Education
Audio and Video Technicians (27-4011)	6,434	6,585	152	2%	673	Postsecondary non-degree award
Sound Engineering Technicians (27-4014)	3,276	3,307	31	1%	336	Postsecondary non-degree award
Film and Video Editors (27-4032)	10,028	10,687	659	7%	992	Bachelor's degree
Total	19,738	20,580	842	4%	2,000	-

Appendix B: Sources

- O*NET Online
- Labor Insight/Jobs (Burning Glass)
- Economic Modeling Specialists, International (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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