

Program Endorsement Brief: 1005.00/Commercial Music Music Teacher Technology Certificate

Orange County Center of Excellence, October 2019

Summary Analysis

The 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 one middle-skill occupation: Sound Engineering Technicians (SOC code 27-4014); and one below middle-skill occupation: Self-Enrichment Education Teachers (SOC code 25-3021). Middle-skill occupations typically require some postsecondary education, but less than a bachelor's degree.¹ 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 for these commercial music occupations in the region. **Therefore, the COE endorses this proposed program, but notes that the supply gap is likely overstated.** Reasons include:

Demand:

- Over the next five years, there is projected to be **2,755 jobs available annually** in the region due to new job growth and replacements, **which is more than the 364 awards conferred annually** by educational institutions in the region.
 - However, the Self-Enrichment Education Teachers (25-3021) SOC code includes a variety of job titles, including art teacher, dance teacher, flight instructor, and music instructor. Since the SOC code does not solely represent job titles related to music instruction, **the number of annual job openings is likely overstated.**
- Over the past 12 months, there were **720 online job postings related to these commercial music occupations**. Of these, **477 were for positions related to music instruction**. The highest number of job postings were for music teacher, piano teacher, and teacher.
- The national-level educational attainment data indicates **between 27.4% and 44.1%** of workers in the field **have completed some college or an associate degree** as their highest level of education.

Supply:

- There are **12 community college(s)** in the region that have a commercial music program, conferring an average of **353 award(s) annually** between 2015 and 2018.

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.

- Between 2013 and 2016, there were an average of **11 awards conferred annually** in related training programs by non-community college institutions, all of which were generated by **1 individual four-year university throughout** the region.

Occupational Demand

Exhibit 1, shows the five-year occupational demand projections for these commercial music occupations. In Los Angeles/Orange County, the number of jobs related to these occupations is projected to increase by 8% through 2023. There will be more than 2,750 job openings per year through 2023 due to job growth and replacements. Self-Enrichment Education Teachers (25-3021) SOC code includes a variety of job titles, including art teacher, dance teacher, flight instructor, and music instructor. Since the SOC code does not solely represent job titles related to music instruction, the data in Exhibit 1 is likely overstated for music teachers.

Exhibit 1: Occupational demand in Los Angeles and Orange Counties²

Geography	2018 Jobs	2023 Jobs	2018-2023 Change	2018-2023 % Change	Annual Openings
Los Angeles	16,684	17,785	1,101	7%	2,003
Orange	5,401	6,120	719	13%	752
Total	22,085	23,905	1,820	8%	2,755

Wages—Typical entry-level hourly wages for these commercial music occupations throughout the region are between \$14.43 and \$17.64.³ Entry-level wages for Self-Enrichment Education Teachers are lower than the California Family Needs Calculator hourly wage for one adult in the region (\$15.04 in Los Angeles County and \$17.36 in Orange County)⁴ Experienced workers can expect to earn between \$33.10 and \$51.13, which is higher than the California Family Needs Calculator wage estimates for both counties. Regional average wages are above/ the average statewide wage of \$29.54 for these occupations. Wage information, by county, is included in Appendix A.

Job Postings—There were 720 online job postings related to these commercial music occupations listed in the past 12 months. In order to identify the Self-Enrichment Educational Teacher postings most closely related to music teaching and instruction, titles such as dance teacher, fitness instructor, and driving instructor were not included. The highest number of job postings were for music teacher, piano teacher, and teacher. The top skills were: music, teaching, piano, and guitar. The top three employers, by number of job postings, in the region were: Music Teachers Network, Glee Music Academy, and Varsity Tutors. Of the 720 online job postings, 17% list a minimum education requirement.

Educational Attainment—The Bureau of Labor Statistics (BLS) lists a high school diploma as the typical entry-level education for Self-Enrichment Education Teachers and a postsecondary

² Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

³ Entry-level wage is defined as the twenty-fifth percentile hourly wage. Wages for experienced workers are defined as the seventy-fifth percentile hourly wage.

⁴ Living wage data was pulled from California Family Needs Calculator on 10/28/19. For more information, visit the California Family Needs Calculator website: <https://insightcced.org/2018-family-needs-calculator/>.

nondegree award as the typical entry-level education for Sound Engineering Technicians. The national-level educational attainment data indicates between 27.4% and 44.1% of workers in the field have completed some college or an associate degree. Of the 17% of job postings listing a minimum education requirement in Los Angeles/Orange County, 80% (X) requested a high school or vocational training and 20% (X) requested an associate degree.

Supply

Community College Supply—Exhibit 2 shows the three-year average number of awards conferred by community colleges in the related TOP code: Commercial Music (1005.00). Cumulatively, the 12 community colleges in the region with commercial music programs have conferred an average of 353 awards annually over the last three years. The college with the most completions in the region was LA City. Over the past 12 months, there were three other related program recommendation requests from regional community colleges.

Exhibit 2: Regional community college awards (certificates and degrees), 2015-2018

TOP Code	Program	College	2015-2016 Awards	2016-2017 Awards	2017-2018 Awards	3-Year Award Average
1005.00	Commercial Music	Cerritos	6	4	9	6
		Citrus	71	40	58	56
		Glendale	-	-	3	3
		LA City	276	212	183	224
		LA Harbor	10	9	2	7
		LA Valley	17	18	21	19
		Long Beach	7	7	4	6
		LA Subtotal	387	290	280	319
		Cypress	13	13	15	14
		Fullerton	7	12	6	8
		Orange Coast	4	7	3	5
		Saddleback	-	1	11	6
		Santa Ana	4	2	5	4
		OC Subtotal	28	35	40	34
Supply Total/Average		415	325	320	353	

Non-Community College Supply—It is important to consider the supply from four-year institutions in the region that provide training programs for commercial music. Exhibit 3 shows the annual and three-year average number of awards conferred by non-community college institution(s), which in this case is one private university, in the related Classification of Instructional Programs (CIP) Code: Recording Arts Technology/Technician (10.0203). Due to different data collection periods, the most recent three-year period of available data is from 2013 to 2016. Between 2013 and 2016, Loyola Marymount University conferred an average of 11 awards annually in related training programs. There were zero non-community college institutions that conferred awards in Orange County.

Exhibit 3: Regional non-community college awards, 2013-2016

CIP Code	Program	College	2013-2014 Awards	2014-2015 Awards	2015-2016 Awards	3-Year Award Average
10.0203	Recording Arts Technology/Technician	Loyola Marymount University	15	10	9	11
		LA Subtotal	15	10	9	11
Supply Total/Average			15	10	9	11

Appendix A: Occupational demand and wage data by county

Exhibit 4. Los Angeles County

Occupation (SOC)	2018 Jobs	2023 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)
Self-Enrichment Education Teachers (25-3021)	12,689	13,757	1,068	8%	1,631	\$14.64	\$20.55	\$33.97
Sound Engineering Technicians (27-4014)	3,994	4,028	34	1%	372	\$17.73	\$31.03	\$51.42
Total	16,684	17,785	1,101	7%	2,003			

Exhibit 5. Orange County

Occupation (SOC)	2018 Jobs	2023 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)
Self-Enrichment Education Teachers (25-3021)	5,091	5,796	705	14%	721	\$13.94	\$19.39	\$31.67
Sound Engineering Technicians (27-4014)	309	324	15	5%	31	\$16.52	\$28.91	\$47.50
Total	5,401	6,120	719	13%	752			

Exhibit 6. Los Angeles and Orange Counties

Occupation (SOC)	2018 Jobs	2023 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)
Self-Enrichment Education Teachers (25-3021)	17,781	19,553	1,772	10%	2,352	\$14.43	\$20.21	\$33.10
Sound Engineering Technicians (27-4014)	4,304	4,352	48	1%	403	\$17.64	\$30.88	\$51.13
Total	22,085	23,905	1,820	8%	2,755			

Appendix B: Sources

- O*NET Online
- Labor Insight/Jobs (Burning Glass)
- Economic Modeling Specialists, International (Emsi)
- Bureau of Labor Statistics (BLS)
- 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)
- California Family Needs Calculator, Insight Center for Community Economic Development
- Chancellor's Office Curriculum Inventory (COCI 2.0)

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