



## Summary

<b>Program LMI Endorsement</b>	Endorsed: All LMI Criteria Met <input type="checkbox"/>	Endorsed: Some LMI Criteria Met <input checked="" type="checkbox"/>	Not LMI Endorsed <input type="checkbox"/>
<b>Program LMI Endorsement Criteria</b>			
	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
Supply Gap:	<p><i>Comments:</i> there is projected to be <b>6 annual job openings</b> in the South Central Coast (SCC) Region for <i>Musical Instrument Repairers and Tuners (49-9063)</i>, which is more than the <b>0 related awards conferred by regional institutions</b>.</p> <p>Due to the small demand for this occupation in the SCC Region, the SCC COE also reviewed labor market demand for <i>Musical Instrument Repairers and Tuners (49-9063)</i> in the San Fernando Valley (SFV), where nearly 30% of Santa Clarita residents commute, to provide further context for this occupation. In the SFV, there are 82 jobs and 7 projected annual openings for this occupation, indicating additional regional demand beyond the SCC Region that are accessible to completers of this proposed program.</p>		
Self-Sufficiency Standard Living Wage <sup>1</sup> :	Yes <input type="checkbox"/>		No <input checked="" type="checkbox"/>
	<p><i>Comments:</i> <b>Typical entry-level wages</b> for <i>Musical Instrument Repairers and Tuners (49-9063)</i> are <b>\$15.73, which is significantly below the Northern LA county living wage of \$24.03</b>.</p>		
Education:	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
	<p><i>Comments:</i> Though the typical entry-level education for <i>Musical Instrument Repairers and Tuners (49-9063)</i> is a <b>high school diploma or equivalent, 48% of workers in the field have completed some college or an associate degree as their highest level of education</b>.</p>		
<b>Additional Considerations</b>			
Emerging Occupation(s):	Yes <input type="checkbox"/>	Some <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	<i>Comments:</i> N/A		

The South Central Coast Center of Excellence for Labor Market Research (SCC COE) prepared this report to determine whether there is a supply gap in the SCC regional labor market related to four middle-skill occupations:

- *Musical Instrument Repairers and Tuners (49-9063)*

Based on the available data there appears to be a supply gap for *Musical Instrument Repairers and Tuners (49-9063)* and typical education requirements for this occupation align

<sup>1</sup> The living wage endorsement criteria in this report uses the University of Washington's Center for Women's Welfare Self-Sufficiency Standard, which the COE refers to as a living wage; the living wage for Los Angeles, San Luis Obispo, Santa Barbara, and Ventura counties, last updated in March 2024.

with a community college education. However, typical entry-level wages are significantly below the Self-Sufficiency Standard living wage. **Therefore, due to some of the regional labor market criteria being met, the COE endorses this proposed program.**

Exhibit 1 lists the occupational demand, supply, typical entry-level education, and educational attainment for the occupations included in this report.

### Exhibit 1: Labor Market Endorsement Summary

Occupation (SOC)	Demand (Annual Openings)	Supply (CC and Non-CC)	Entry-Level Hourly Earnings (25 <sup>th</sup> Percentile)	Typical Entry-Level Education	Community College Educational Attainment
Musical Instrument Repairers and Tuners (49-9063)	6	0	Northern LA: \$15.73	High school diploma or equivalent	48%
<b>Total</b>	<b>6</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

#### Demand:

- The number of jobs related to *Musical Instrument Repairers and Tuners (49-9063)* is projected to decrease by 4% through 2029 in the SCC region. There is projected to be 6 annual job openings due to retirements and replacements.
- Hourly entry-level wages for *Musical Instrument Repairers and Tuners (49-9063)* in Northern Los Angeles County are \$15.73, which is significantly below the Self-Sufficiency Standard living wage (24.03 for Los Angeles County).
- There were 12 online job postings for *Musical Instrument Repairers and Tuners (49-9063)* over the past 12 months. The highest number of postings were for guitar technicians, followed by guitar repair technicians.
- The typical entry-level education for *Musical Instrument Repairers and Tuners (49-9063)* is a high school diploma or equivalent.
- Approximately 48% of workers in the field have completed some college or an associate degree as their highest level of education.

#### Supply:

- There were no awards conferred by any of the community colleges in the SCC Region from 2021 to 2024.
- Non-community college institutions did not confer any related awards from 2020 to 2023.
- According to the Chancellor’s Office Curriculum Inventory (COCI) data, there are currently no courses or programs offered under the Musical Instrument Repair (0962.00) TOP code in the SCC Region. Therefore, student outcomes data is unavailable for all metrics at the district and regional level. Most metrics at the state level are also unavailable due to the small number of students in these courses or programs statewide.

## Demand

### Occupational Projections:

Exhibit 2 compares historical and projected changes in employment for *Musical Instrument Repairers and Tuners (49-9063)* compared to the number of jobs in 2019. Notably,

employment for *Musical Instrument Repairers and Tuners (49-9063)* in Ventura County grew 107% from 2019 to 2024, which is significantly higher when compared to employment for these occupations in California, the SCC Region, and all other counties in the SCC region.

From 2024 to 2029, employment for *Musical Instrument Repairers and Tuners (49-9063)* is projected to steadily grow in Ventura County but remain flat or decrease in all other areas.

Exhibit 2: Historical and Projected Employment for Musical Instrument Repairers and Tuners in the SCC Region, 2019-2029

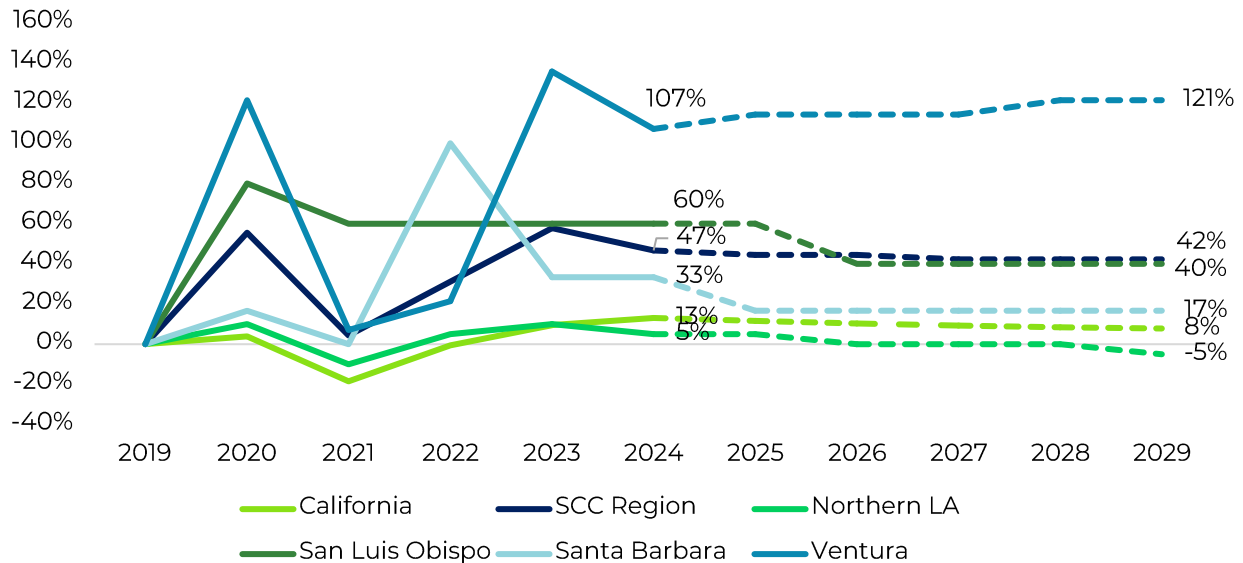


Exhibit 3 shows the five-year occupational demand projections for *Musical Instrument Repairers and Tuners (49-9063)*. In the SCC Region, the number of jobs related to this occupation is projected to decrease by 4% through 2029. There is projected to be 6 jobs available annually. Ventura County has the highest number of jobs and annual openings, but employment is projected to decline in all other areas through 2029.

Exhibit 3: Occupational Demand in the SCC Region<sup>2</sup>

Geography	2024 Jobs	2029 Jobs	2024-2029 Change	2024-2029 % Change	Annual Openings
Northern LA	21	19	(2)	(9%)	2
San Luis Obispo	8	7	(1)	(16%)	1
Santa Barbara	8	7	(1)	(13%)	1
Ventura	29	31	2	6%	3
<b>SCC Region</b>	<b>66</b>	<b>64</b>	<b>(3)</b>	<b>(4%)</b>	<b>6</b>

### Wages:

The labor market endorsement in this report considers the entry-level hourly wages for *Musical Instrument Repairers and Tuners (49-9063)* in relation to the living wage of the county where the requesting community college is located. This report was requested by College of the Canyons, which is in Los Angeles County. Wages for other counties are included below to provide a complete analysis of the SCC Region.

In addition to the Self Sufficiency Standard living wage, data for the MIT Living Wage, updated on February 10, 2025, is provided as a reference. Currently, the MIT Living Wage in

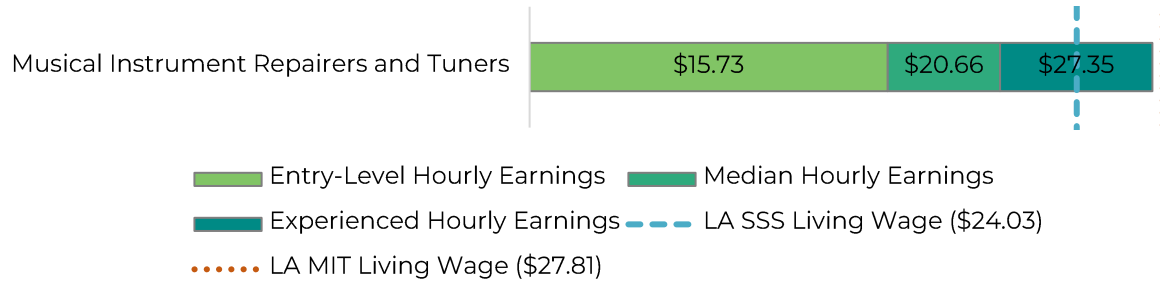
<sup>2</sup> Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Los Angeles County is \$27.81. Both figures account for geographic-specific costs of necessities such as housing, food, health care, and transportation to assess the cost of living, and are notated in the exhibits below.

### Northern Los Angeles

Typical entry-hourly wages for *Musical Instrument Repairers and Tuners (49-9063)* are \$15.73, which is significantly below the Sufficiency Standard living wage for one adult (\$24.03 in Los Angeles County). Experienced hourly earnings for *Musical Instrument Repairers and Tuners (49-9063)* in Northern Los Angeles County are \$27.35, which is above the living wage. Exhibit 4 shows the wage range for *Musical Instrument Repairers and Tuners (49-9063)* in Northern Los Angeles County and how it compares to the regional living wage.

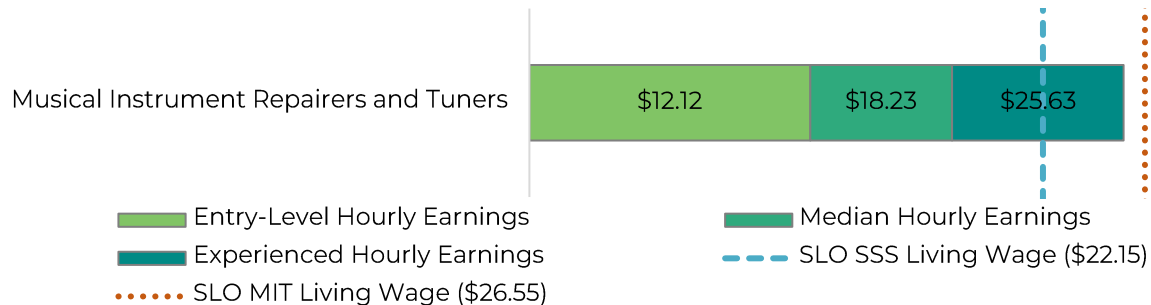
Exhibit 4: Wages by Occupation in Northern Los Angeles County



### San Luis Obispo

Typical entry-hourly wages for *Musical Instrument Repairers and Tuners (49-9063)* are \$12.12, which is significantly below the Sufficiency Standard living wage for one adult (\$22.15 in San Luis Obispo County). Experienced hourly earnings for *Musical Instrument Repairers and Tuners (49-9063)* in San Luis Obispo County are \$25.63, which is above the living wage. Exhibit 5 shows the wage range for *Musical Instrument Repairers and Tuners (49-9063)* in San Luis Obispo County and how it compares to the regional living wage.

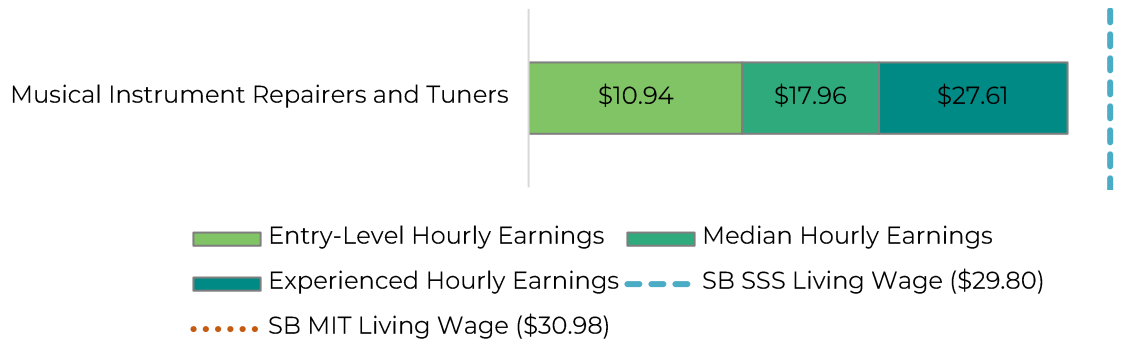
Exhibit 5: Wages by Occupation in San Luis Obispo County



## Santa Barbara

Typical entry-hourly wages for *Musical Instrument Repairers and Tuners (49-9063)* are \$10.94, which is significantly below the Sufficiency Standard living wage for one adult (\$29.80 in Santa Barbara County). Additionally, wages are below the living wage at all experience levels in Santa Barbara County. Exhibit 6 shows the wage range for *Musical Instrument Repairers and Tuners (49-9063)* in Santa Barbara County and how they compare to the regional living wage.

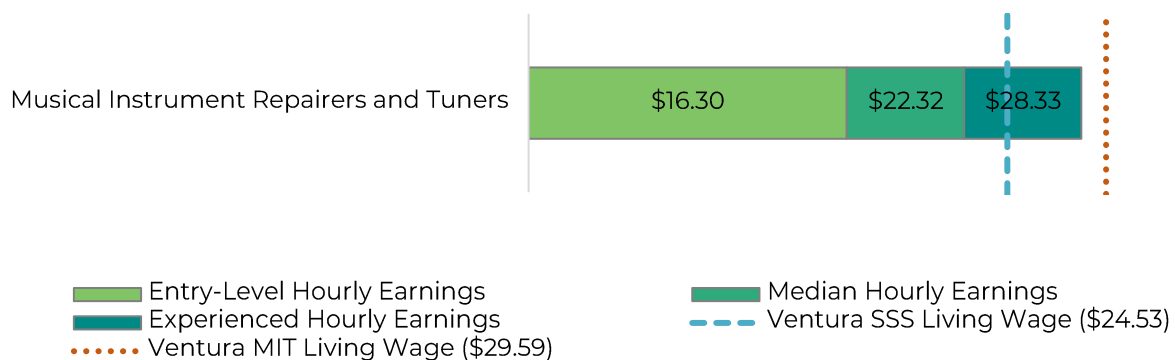
Exhibit 6: Wages by Occupation in Santa Barbara County



## Ventura

Typical entry-hourly wages for *Musical Instrument Repairers and Tuners (49-9063)* are \$16.30, which is significantly below the Sufficiency Standard living wage for one adult (\$24.53 in Ventura County). Experienced hourly earnings for *Musical Instrument Repairers and Tuners (49-9063)* in Ventura County are \$28.33, which is above the living wage. Exhibit 7 shows the wage range for *Musical Instrument Repairers and Tuners (49-9063)* in Ventura County and how they compare to the regional living wage.

Exhibit 7: Wages by Occupation in Ventura County



## Job Postings:

There were 12 online job postings related to *Musical Instrument Repairers and Tuners (49-9063)* listed in the past 12 months in the SCC Region. Exhibit 8 shows the number of job postings by county. Approximately 40% of job postings were in Ventura County.

Exhibit 8: Number of Job Postings by County (n=12)

County	Job Postings	Percentage of Job Postings
Norther Los Angeles	8	67%
Santa Barbara	4	33%
<b>Total Postings</b>	<b>12</b>	<b>100%</b>

Due to analysis focusing on one occupation, *Musical Instrument Repairers and Tuners (49-9063)*, all postings reflected that occupation, as shown Exhibit 9.

Exhibit 9: Number of Job Postings by Occupation (n=12)

Occupation	Job Postings	Percentage of Job Postings
Musical Instrument Repairers and Tuners	12	100%

The top employers in the region, by number of job postings, are shown in Exhibit 10.

Exhibit 10: Top Employers by Number of Job Postings (n=12)

Employer	Job Postings	Percentage of Job Postings
Guitar Center Stores	11	92%
Music Freqs	1	8%

The top specialized, soft, and computer skills listed by those most frequently mentioned in job postings (denoted in parentheses) are shown in Exhibit 11.

Exhibit 11: Top Skills by Number of Job Postings (n=12)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Guitars (12)	Customer Service (11)	Data unavailable
Retail Operations (11)	Leadership (11)	
Selling Techniques (11)	Sales (11)	
Product Knowledge (2)	Follow Through (6)	

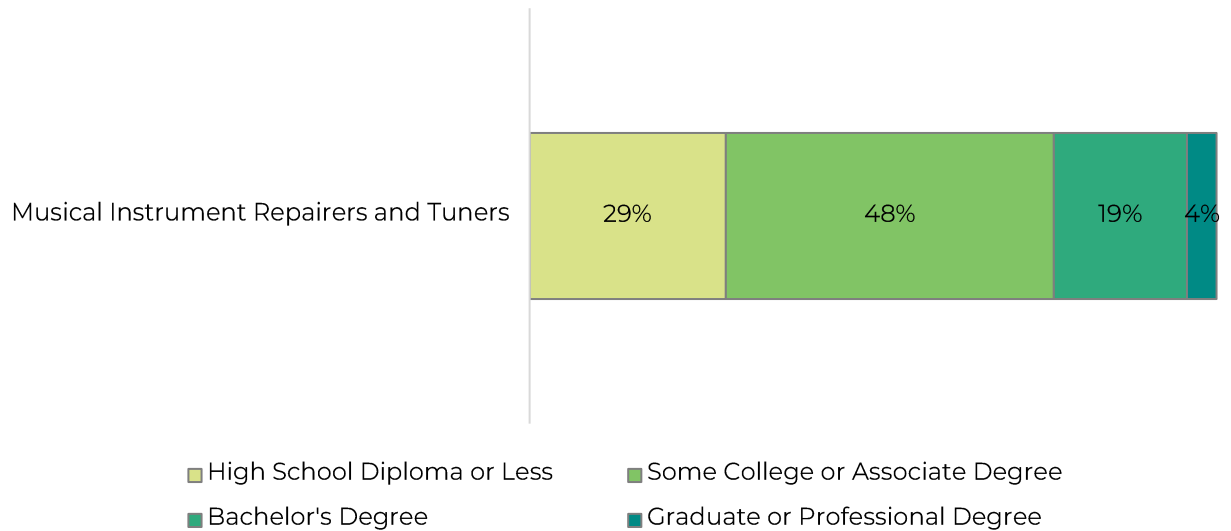
## Educational Attainment:

The Bureau of Labor Statistics (BLS) lists the following as the typical entry-level education for *Musical Instrument Repairers and Tuners (49-9063)*:

- High School Diploma or Equivalent
  - *Musical Instrument Repairers and Tuners (49-9063)*

The national-level educational attainment data indicates 48% of workers in the field have completed some college or an associate degree as their highest level of education. Exhibit 12 shows the educational attainment for *Musical Instrument Repairers and Tuners (49-9063)*, sorted by highest community college educational attainment to lowest.

Exhibit 12: National-level Educational Attainment for Occupations



All (100%) of the cumulative job postings for *Musical Instrument Repairer and Tuners (49-9063)* did not list a minimum education requirement.

## Educational Supply

### Community College Supply:

There were no awards conferred by any of the community colleges in the SCC Region in the related TOP codes:

- Musical Instrument Repair (0962.00)

### Community College Student Outcomes:

A review of the Chancellor's Office Curriculum Inventory (COCI) data shows that there are currently no community colleges in the SCC Region that offer Musical Instrument Repair (0962.00) programs or courses, additionally there is a very small number of statewide students in these courses or programs. Therefore, there is very little or no student outcomes data for this TOP Code.

Exhibit 13 shows the Strong Workforce Program (SWP) metrics for Musical Instrument Repair programs at College of the Canyons (COC), the SCC Region, and California. There were 63 students in Musical Instrument Repair (0962.00) statewide.

Exhibit 13: Musical Instrument Repair (0962.00) Strong Workforce Program Metrics, 2023-24<sup>34</sup>

SWP Metric	COC	SCC Region	California
SWP Students	Data unavailable	Data unavailable	64
SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year	Data unavailable	Data unavailable	27%
SWP Students Who Completed a Noncredit CTE or Workforce Preparation Course	Data unavailable	Data unavailable	Data unavailable
SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status	Data unavailable	Data unavailable	Data unavailable
SWP Students Who Transferred to a Four-Year Postsecondary Institution (2022-23)	Data unavailable	Data unavailable	Data unavailable
SWP Students with a Job Closely Related to Their Field of Study (2021-22)	Data unavailable	Data unavailable	Data unavailable
Median Annual Earnings for SWP Exiting Students (2022-23)	Data unavailable	Data unavailable	Data unavailable
Median Change in Earnings for SWP Exiting Students (2022-23)	Data unavailable	Data unavailable	Data unavailable
SWP Exiting Students Who Attained the Living Wage (2022-23)	Data unavailable	Data unavailable	Data unavailable

<sup>3</sup> All SWP metrics are for 2023-24 unless otherwise noted. Metrics data is sourced from DataVista.

<sup>4</sup> Data that is not available in DataVista is denoted in Exhibit 15 as "data unavailable." Data may not be available for various reasons, including cases where data is masked to protect personally identifiable information.

### **Non-Community College Supply:**

To comprehensively analyze the regional supply, it is crucial to include data from other institutions offering musical instrument repair training programs. Over the past three years (2020-2023), there were no awards conferred by non-community college institutions under the related Classification of Instructional Programs (CIP) codes:

- Musical Instrument Fabrication and Repair (47.0404)

## Regional Demographics

As noted above in the Community College Supply section, there are currently no programs or courses offered under the Musical Instrument Repair (0962.00) TOP Code in the SCC Region. Therefore, there is no student demographic data for this TOP Code.

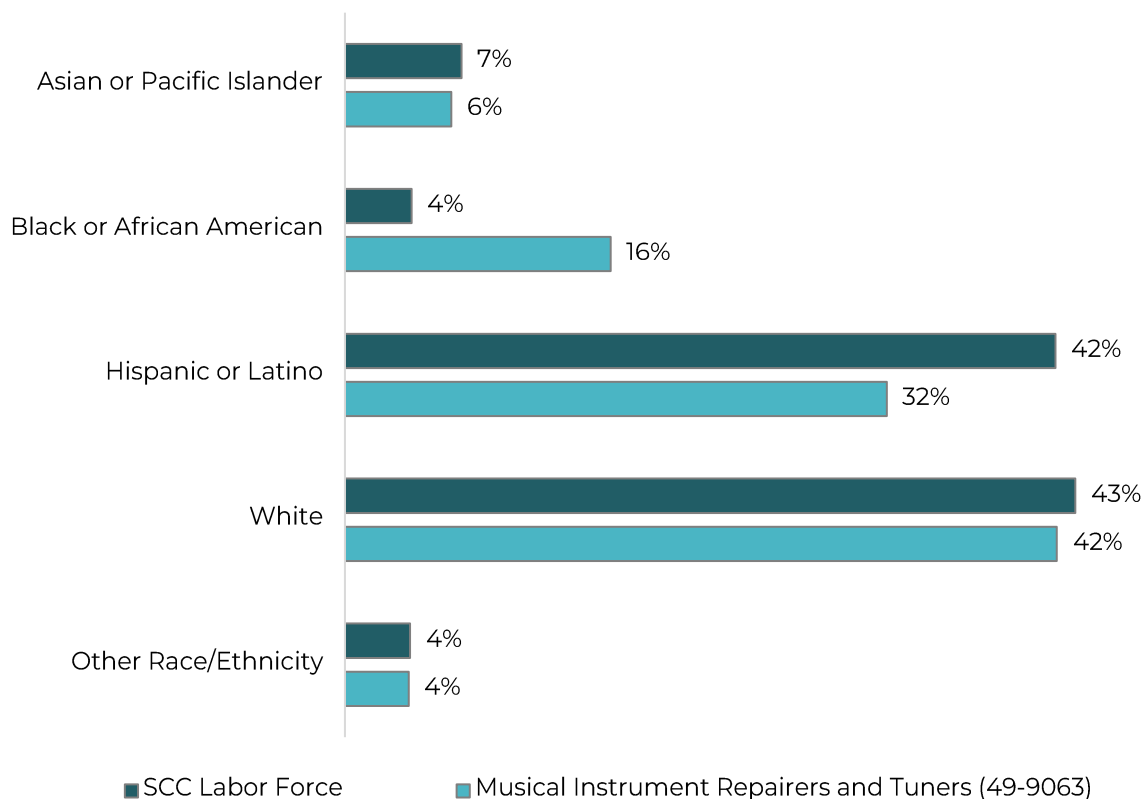
This section examines demographic data for SCC labor force compared to the occupational data, to identify potential diversity and equity issues addressable by community college programs.

### Ethnicity:

Exhibit 16 compares the ethnicity of the overall SCC labor force, and occupation-specific data for *Musical Instrument Repairers and Tuners (49-9063)*.

Notably, 16% of workers employed as *Musical Instrument Repairers and Tuners (49-9063)* are Black or African American, which is much higher than the labor force (4%).

Exhibit 17: Program and County Demographics by Ethnicity

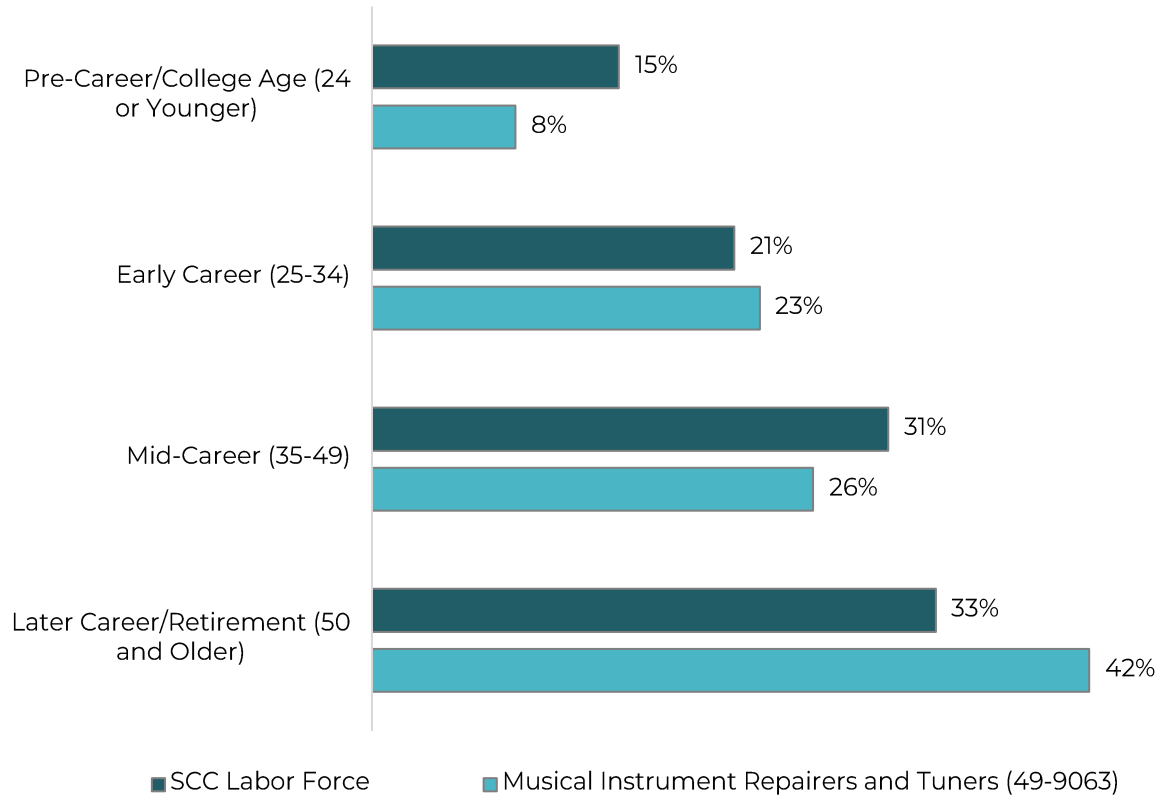


## Age:

Exhibit 15 compares the age of the overall SCC labor force, and occupation-specific data for *Musical Instrument Repairers and Tuners (49-9063)*.

Approximately (42%) of workers in *Musical Instrument Repairers and Tuners (49-9063)* are age 50 and older, which is significantly higher than the labor force (33%).

Exhibit 15: Program and County Demographics by Age

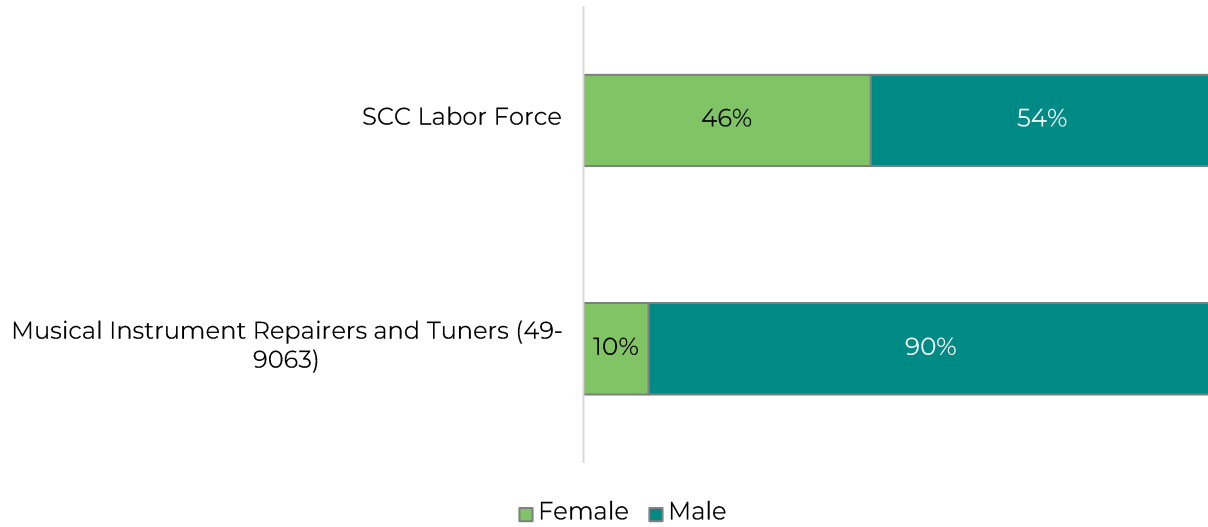


**Sex:**

Exhibit 18 compares the sex of the overall SCC labor force, and occupation-specific data for *Musical Instrument Repairers and Tuners (49-9063)*.

There is a significant majority of male workers (90%) and workers in *Musical Instrument Repairers and Tuners (49-9063)*, which contrasts with the labor force (54% male).

Exhibit 19: Program and County Demographics by Sex



## Appendix A: Methodology

### Traditional Labor Market Data

The SCC COE prepared this report by analyzing data from occupations and education programs. Occupational data is derived from Lightcast, a labor market analytics firm that consolidates data from the California Employment Development Department (EDD), U.S. Bureau of Labor Statistics (BLS) and other government agencies.

Data included in this analysis represents the labor market demand for relevant positions most closely related to the proposed program as expressed by the requesting college in consultation with the SCC COE. Traditional labor market information was used to show current and projected employment based on data trends, as well as annual average awards granted by regional community colleges.

Program supply data is drawn from two systems: Taxonomy of Programs (TOP) and Classification of Instructional Programs (CIP).

Using a TOP-SOC crosswalk, the SCC COE identified middle-skill jobs for which programs within these TOP codes train. Middle-skill jobs include:

- 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.

The SCC COE determined labor market supply for an occupation or SOC code by analyzing the number of program completers or awards in a related TOP or CIP code. The COE developed a "supply table" with this information, which is the source of the program supply data for this report. TOP code data comes from the California Community Colleges Chancellor's Office MIS Data Mart ([datamart.cccco.edu](http://datamart.cccco.edu)) and CIP code data comes from the Integrated Postsecondary Education Data System ([nces.ed.gov/ipeds/use-the-data](http://nces.ed.gov/ipeds/use-the-data)), also known as IPEDS.

TOP is a system of numerical codes used at the state level to collect and report information on California community college programs and courses throughout the state that have similar outcomes. CIP codes are a taxonomy of academic disciplines at institutions of higher education in the United States and Canada. Institutions outside of the California Community College system do not use TOP codes in their reporting systems.

### Online Job Postings Data

Online job postings data, also known as real-time labor market information, captures job post advertisements for occupations relevant to the field of study which can signal demand and show what employers are looking for in potential employees but is not a perfect measure of the quantity of open positions. Online job postings data is sourced from Lightcast, a labor market analytics firm that scrapes, collects, and organizes data from online job boards such as LinkedIn, Indeed, Glassdoor, Monster, GovernmentJobs.com, and thousands more.

There are several limitations when analyzing job postings. A single job posting may not represent a single job opening, as employers may be creating a pool of candidates for future openings or hiring for multiple positions with a single posting. Additionally, not all jobs are posted online, and jobs may be filled through other methods such as internal promotion, word-of-mouth advertising, physical job boards, or a variety of other channels.

Additionally, Lightcast uses natural language processing (NLP) to determine the related company, industry, occupation, and other information for each job posting. However, NLP has limitations that include understanding contextual words of phrases; determining differences in words that can be used as nouns, verbs, and/or adjectives; and misspellings or grammatical errors.<sup>5</sup> For these reasons, job postings could be assigned to the wrong employer, industry, or occupation within Lightcast’s database.

## Geography

The South Central Coast region encompasses San Luis Obispo, Santa Barbara, and Ventura counties, as well as parts of Northern Los Angeles County. Exhibit 19 shows the 34 ZIP codes used to define Northern Los Angeles County.

Exhibit 20: Northern Los Angeles ZIP Codes

ZIP Code	Primary City	ZIP Code	Primary City
91310	Castaic	93532	Lake Hughes
91321	Newhall	93534	Lancaster
91322	Newhall	93535	Lancaster
91350	Santa Clarita	93536	Lancaster
91351	Canyon Country	93539	Lancaster
91354	Valencia	93543	Littlerock
91355	Valencia	93544	Llano
91380	Santa Clarita	93550	Palmdale
91381	Stevenson Ranch	93551	Palmdale
91382	Santa Clarita	93552	Palmdale
91383	Santa Clarita	93553	Pearblossom
91384	Castaic	93563	Valyermo
91385	Valencia	93584	Lancaster
91386	Canyon Country	93586	Lancaster
91387	Canyon Country	93590	Palmdale
91390	Santa Clarita	93591	Palmdale
93510	Acton	93599	Palmdale

Though traditional labor market information is available at the ZIP code level, it does not always add up to data reported at the county level for multiple reasons:

- ZIP codes are not official geographically bounded areas, unlike states and counties.
- ZIP codes may cross county lines, such as ZIP code 93461, which is primarily in San Luis Obispo County, but also crosses into Kern County.

For these reasons, the number of jobs and average annual openings for each county may not add up to the total for the SCC Region. However, considering jobseekers may cross county lines for opportunities, the traditional labor market data is reflective of opportunities available to jobseekers in the SCC Region.

Additionally, job postings data is available only at the city or county level. To analyze job postings for the entire SCC region, the SCC COE developed a list of cities available in Lightcast for analysis. Additionally, demographic data is not available at the ZIP code level but is available at the Census Bureau’s Public Use Microdata Area (PUMA) level. Demographic data was sourced via IPUMS and analyzed by the SCC COE.

<sup>5</sup> K. R. Chowdhary, *Fundamentals of Artificial Intelligence* (Basingstoke: Springer Nature, 2020), <https://link.springer.com/book/10.1007/978-81-322-3972-7>.

## Appendix B: Data Sources

Data Type	Source
Occupational Projections, Wages, and Job Postings	Traditional and real-time labor market information are captured using data from <a href="#">Lightcast</a> , a labor market analytics firm.
Living Wage	Per the CCCCCO, this report's endorsement criteria uses the <a href="#">University of Washington's Center for Women's Welfare Self-Sufficiency Standard</a> last updated in March 2024.  The <a href="#">MIT Living Wage</a> , updated on February 10, 2025, is a nationally recognized living wage metric and is provided for reference.
Typical Education and Training Requirements, and Educational Attainment	The <a href="#">Bureau of Labor Statistics (BLS)</a> uses a system to assign categories for entry-level education, work experience in a related occupation, and typical on-the-job training to each occupation for which BLS publishes projections data.
Emerging Occupation Descriptions, Additional Education Requirements, and Employer Preferences	The <a href="#">O*NET</a> database includes information on skills, abilities, knowledges, work activities, and interests associated with occupations.
Educational Supply	The <a href="#">CCCCCO Data Mart</a> provides information about students, courses, student services, outcomes and faculty and staff.  The <a href="#">National Center for Education Statistics (NCES) Integrated Postsecondary Integrated Data System (IPEDS)</a> collects data on the number of postsecondary awards earned (completions).
Student Metrics and Demographics	<a href="#">Data Vista</a> , a statewide data system supported by the California Community Colleges Chancellor's Office provides data on progress, success, employment, and earnings outcomes for California community college students.
Population and Occupation Demographics	The <a href="#">Census Bureau's American Community Survey (ACS)</a> is the premier source for detailed population and housing information.  Data is sourced from <a href="#">IPUMS USA</a> , a database providing access to ACS and other Census Bureau data products.

All representations have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. The most recent data available at the time of the analysis was examined; however, data sets are updated regularly and may not be consistent with previous reports. Efforts have been made to qualify and validate the accuracy of the data and findings; however, neither the Centers of Excellence for Labor Market Research (COE), COE host district, nor California Community Colleges Chancellor's Office are responsible for the applications or decisions made by individuals and/or organizations based on this study or its recommendations.

For more information, please contact the South Central Coast Center of Excellence:

**Jacob Poore, Director**

[jacob.poore@canyons.edu](mailto:jacob.poore@canyons.edu)

**Ashley Kernan, Research Manager**

[ashley.kernan@canyons.edu](mailto:ashley.kernan@canyons.edu)



FOR LABOR MARKET RESEARCH  
SOUTH CENTRAL COAST

**Janneth Najera, Research Manager**

[janneth.najera@canyons.edu](mailto:janneth.najera@canyons.edu)

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