



Labor Market Analysis for Program Recommendation

Piano Technology Occupations

Las Positas College

Prepared by the San Francisco Bay Center of Excellence for Labor Market Research

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Recommendation

Based on all available data, there appears to be a small “undersupply” of Piano Technology workers compared to the demand for this cluster of occupations in the Bay region and in the East Bay sub-region (Alameda, Contra Costa counties). There is a projected annual gap of about 18 students in the Bay region and 8 students in the East Bay Sub-Region.

Introduction

This report provides student outcomes data on employment and earnings for TOP 0962.00 - Musical Instrument Repair programs in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Las Positas College and in the region.

This report profiles Piano Technology Occupations in the 12 county Bay region and in the East Bay sub-region for a proposed new program at Las Positas College.

- Musical Instrument Repairers and Tuners (49-9063):** Repair percussion, stringed, reed, or wind instruments. May specialize in one area, such as piano tuning. Excludes “Electronic Home Entertainment Equipment Installers and Repairers” (49-2097) who repair electrical and electronic musical instruments.
 - Entry-Level Educational Requirement: High school diploma or equivalent
 - Training Requirement: Apprenticeship
 - Percentage of Community College Award Holders or Some Postsecondary Coursework: 49%

Occupational Demand

Table 1. Employment Outlook for Piano Technology Occupations in Bay Region

Occupation	2021 Jobs	2026 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Musical Instrument Repairers and Tuners	167	158	-9	-6%	91	18	\$14	\$16
Total	167	158	-9.3	-6%	91	18	\$14	\$16

Source: Lightcast 2022.3

Bay Region includes: Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

Table 2. Employment Outlook for Piano Technology Occupations in East Bay Sub-region

Occupation	2021 Jobs	2026 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Musical Instrument Repairers and Tuners	77	73	-3	-4%	41	8	\$14	\$14
Total	77	73	-3.3	-4%	41	8	\$14	\$14

Source: Lightcast 2022.3

East Bay Sub-Region includes: Alameda, Contra Costa Counties

Job Postings in Bay Region and East Bay Sub-Region**Table 3. Number of Job Postings by Occupation for latest 12 months (Sept. 2022 - Aug. 2023)**

Occupation	Bay Region	East Bay
Musical Instrument Repairers and Tuners	17	3

Source: Lightcast

Table 4a. Top Job Titles for Piano Technology Occupations for latest 12 months (Sept. 2022 - Aug. 2023) Bay Region

Title	Bay
Guitar Technicians	6
Piano Technicians	6

Table 4b. Top Job Titles for Piano Technology Occupations for latest 12 months (Sept. 2022 - Aug. 2023) East Bay Sub-Region

Title	East Bay
Guitar Technicians	2
Piano Technicians	1

Industry Concentration**Table 5. Industries hiring Piano Technology Workers in Bay Region**

Industry - 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2021)	Jobs in Industry (2026)	% Change (2021-26)	% Occupation Group in Industry (2022)
Hobby, Toy, and Game Retailers	43	56	28%	25%
Other Personal and Household Goods Repair and Maintenance	56	57	3%	25%
Musical Instrument and Supplies Retailers	20	22	12%	9%
Appliance Repair and Maintenance	18	23	32%	9%
Sewing, Needlework, and Piece Goods Retailers	13	15	9%	7%
Reupholstery and Furniture Repair	NA	12	NA%	5%

Industry - 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2021)	Jobs in Industry (2026)	% Change (2021-26)	% Occupation Group in Industry (2022)
Jewelry and Silverware Manufacturing	NA	NA	NA%	1%

Source: Lightcast 2022.3

Table 6. Top Employers Posting Piano Technology Occupations in Bay Region and East Bay Sub-Region (Sept. 2022 - Aug. 2023)

Employer	Bay	Employer	East Bay
University of California	5	Guitar Center Stores	2
Guitar Center Stores	4	Radayeva Music Studio	1

Source: Lightcast

Educational Supply

There are no community colleges or other CTE educational institutions in the Bay Region issuing awards on average annually (last 3 years ending 2021-22) on TOP 0962.00 - Musical Instrument Repair or CIP 47.0404 - Musical Instrument Fabrication and Repair.

Gap Analysis

Based on the data included in this report, there is a small labor market gap in the Bay region with 18 annual openings for the Piano Technology occupational cluster and no annual (3-year average) awards for an annual undersupply of 18 students. In the East Bay Sub-Region, there is also a small gap with eight (8) annual openings and no annual (3-year average) awards for an annual undersupply of eight (8) students.

Student Outcomes

Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0962.00 - Musical Instrument Repair

Metric Outcomes	Bay All CTE Programs	Las Positas All CTE Programs	State 0962.00	Bay 0962.00	East Bay 0962.00	Las Positas 0962.00
Students with a Job Closely Related to Their Field of Study	74%	69%	78%	N/A	N/A	N/A
Median Annual Earnings for SWP Exiting Students	\$53,090	\$49,986	\$50,862	N/A	N/A	N/A
Median Change in Earnings for SWP Exiting Students	24%	27%	-2%	N/A	N/A	N/A
Exiting Students Who Attained the Living Wage	54%	56%	69%	N/A	N/A	N/A

Source: Launchboard Strong Workforce Program Median of 2018 to 2021.

Skills and Education

Table 9. Top Skills for Piano Technology Occupations in Bay Region (Sept. 2022 - Aug. 2023)

Skill	Posting	Skill	Posting
Piano	8	JavaScript (Programming Language)	1
Guitars	6	Machinery	1
Compliance Training	5	Motion Capture	1
Renovation	5	Product Knowledge	1
Safety Training	5	Retail Operations	1
Museum Operations	2	Selling Techniques	1
Hand Tools	1	Woodworking	1

Source: Lightcast

Table 10. Education Requirements for Piano Technology Occupations in Bay Region

Education Level	Job Postings	% of Total
High school or GED	0	0%
Associate degree	0	0%
Bachelor's degree & higher	3	100%

Source: Lightcast

Note: 82% of records have been excluded because they do not include a degree level. As a result, the chart above may not be representative of the full sample.

Methodology

Occupations for this report were identified by use of job descriptions and skills listed in O*Net. Labor demand data is sourced from Lightcast occupation and job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CCCCO Data Mart and CTE Launchboard.

Sources

O*Net Online

Lightcast

CTE LaunchBoard www.calpassplus.org

Launchboard

Statewide CTE Outcomes Survey

Employment Development Department Unemployment Insurance Dataset

Living Insight Center for Community Economic Development

Chancellor's Office MIS system

Contacts

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