

**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% |
| 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

For more information, please contact:

* Leila Jamoosian, Research Analyst, for Bay Area Community College Consortium (BACCC) and Centers of Excellence (COE), leila@baccc.net
* John Carrese, Director, San Francisco Bay Center of Excellence for Labor Market Research, jcarrese@ccsf.edu or (415) 267-6544