** Autobody Repair and Refinishing Occupations**

**Labor Market Information Report**

**City College of San Francisco**

Prepared by the San Francisco Bay Center of Excellence

for Labor Market Research

September 2019

# Recommendation

Based on all available data, there appears to be an undersupply of Autobody Repair and Refinishing workers compared to the demand for this cluster of occupations in the Bay region and in the Mid-Peninsula sub-region (San Francisco and San Mateo Counties.) There is a projected annual gap of about 391 students in the Bay region and 76 students in the Mid-Peninsula Sub-Region.

This report also provides student outcomes data on employment and earnings for programs on TOP 0949.00 - Automotive Collision Repair 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 City College of San Francisco (CCSF) and in the region.

# Introduction

This report profiles Autobody Repair and Refinishing Occupations in the 12 county Bay region and in the Mid-Peninsula sub-region for a proposed new program at City College of San Francisco.

|  |
| --- |
| * **Automotive Body and Related Repairers (SOC 49-3021):** Repair and refinish automotive vehicle bodies and straighten vehicle frames. Excludes “Painters, Transportation Equipment" (51-9122) and "Automotive Glass Installers and Repairers" (49-3022). |
| Entry-Level Educational Requirement: High school *diploma or equivalent* |
| Training Requirement: Long-term *on-the-job training* |
| Percentage of Community College Award Holders or Some Postsecondary Coursework: 25% |

# Occupational Demand

**Table 1. Employment Outlook for Autobody Repair and Refinishing Occupations in Bay Region**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation | 2018 Jobs | 2023 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Average Annual Open-ings | 10% Hourly Wage | Median Hourly Wage |
| Automotive Body and Related Repairers | 3,757 | 3,994 | 236 | 6% | 2,074 | 415 | $13.53 | $26.42 |
| **TOTAL** | **3,757** | **3,994** | **236** | **6%** | **2,074** | **415** | **$13.53** | **$26.42** |

*Source: EMSI 2019.2*

**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 Autobody Repair and Refinishing Occupations in Mid-Peninsula Sub-Region**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation | 2018 Jobs | 2023 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Average Annual Open-ings | 10% Hourly Wage | Median Hourly Wage |
| Automotive Body and Related Repairers | 752 | 770 | 18 | 2% | 378 | 76 | $14.14 | $27.35 |
| **TOTAL** | **752** | **770** | **18** | **2%** | **378** | **76** | **$14.14** | **$27.35** |

*Source: EMSI 2019.2*

**Mid-Peninsula Sub-Region** includes San Francisco and San Mateo Counties

### Job Postings in Bay Region and Mid-Peninsula Sub-Region

**Table 3. Number of Job Postings by Occupation for latest 12 months (September 2018 - August 2019)**

| Occupation | Bay Region | Mid-Peninsula |
| --- | --- | --- |
| Automotive Body and Related Repairers | 633 | 126 |

*Source: Burning Glass*

**Table 4a. Top Job Titles for Autobody Repair and Refinishing Occupations for latest 12 months (September 2018 - August 2019) Bay Region**

|  |  |  |  |
| --- | --- | --- | --- |
| Common Title | Bay | Common Title | Bay |
| Auto Body Technician | 165 | Auto Body Prepper | 7 |
| Automotive Technician | 88 | Painter | 5 |
| Repair Technician | 56 | Water Mitigation Technician | 4 |
| Shop Associate | 29 | Technician, Windows | 4 |
| Auto Body Estimator | 23 | Mobile Auto Repair | 4 |
| Auto Body Painter | 22 | Auto Body Paint Prepper | 4 |
| Technician | 21 | Window Technician | 3 |
| Automotive Repair Specialist | 15 | Shop Coordinator | 3 |
| Water Damage Technician | 13 | Senior Technician | 3 |
| Shop Technician | 11 | Seasonal Container Build/Repair | 3 |
| Adjunct Instructor | 8 | Sealants Proofing Technician | 3 |
| Service Writer | 7 | Mechanic | 3 |
| Parts Manager | 7 | Measure Technician | 3 |
| Build Technician | 7 | Assistant Auto Body Parts Helper/Runner, Parts | 3 |

**Table 4b. Top Job Titles for Autobody Repair and Refinishing Occupations for latest 12 months (September 2018 - August 2019) Mid-Peninsula Sub-Region**

|  |  |  |  |
| --- | --- | --- | --- |
| Common Title | Mid-Peninsula | Common Title | Mid-Peninsula |
| Auto Body Technician | 22 | Sealants Proofing Technician | 2 |
| Automotive Technician | 20 | Polisher/Prepper, Automotive Repair,Business | 2 |
| Repair Technician | 8 | Plumbing Technician | 2 |
| Technician | 5 | Detailer | 2 |
| Build Technician | 5 | Commercial Technician | 2 |
| Auto Body Estimator | 5 | Coach, Auto Body | 2 |
| Shop Associate | 4 | Trainee Technician | 1 |
| Service Writer | 4 | The Big Clean | 1 |
| Auto Body Painter | 4 | Technician/Foreman | 1 |
| Automotive Repair Specialist | 3 | Structural Technician/Draftsperson | 1 |
| Window Technician | 2 | Shop Technician | 1 |
| Water Mitigation Technician | 2 | Shop Manager | 1 |
| Water Damage Technician | 2 | Shop Foreman | 1 |
| Technician, Visual | 2 | Service Agent | 1 |

*Source: Burning Glass*

# Industry Concentration

**Table 5. Industries hiring Autobody Repair and Refinishing Workers in Bay Region**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Industry – 6 Digit NAICS (No. American Industry Classification) Codes | Jobs in Industry (2018) | Jobs in Industry (2022) | % Change (2018-22) | % in Industry (2018) |
| Automotive Body, Paint, and Interior Repair and Maintenance (811121) | 2,483 | 2,603 | 5% | 66% |
| New Car Dealers (441110) | 391 | 441 | 13% | 10% |
| General Automotive Repair (811111) | 323 | 336 | 4% | 9% |
| Automotive Glass Replacement Shops (811122) | 155 | 172 | 11% | 4% |
| Automobile Manufacturing (336111) | 50 | 71 | 42% | 1% |
| All Other Automotive Repair and Maintenance (811198) | 42 | 44 | 5% | 1% |

*Source: EMSI 2019.2*

**Table 6. Top Employers Posting Autobody Repair and Refinishing Occupations in Bay Region and Mid-Peninsula Sub-Region (September 2018 - August 2019)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Employer | Bay | Employer | Bay | Employer | Mid-Peninsula |
| Service King | 28 | Contra Costa Community College District | 5 | F Lofrano Son | 8 |
| Caliber Collision | 28 | Complete Coach Works | 5 | Verifacts Automotive | 6 |
| Gc Auto Body | 23 | Chevrolet | 5 | Gc Auto Body | 6 |
| Caliber Collision Centers | 22 | Caliber Collisiono | 5 | Volkswagen | 3 |
| Autonation | 22 | AAA | 5 | Chevrolet | 3 |
| Tesla | 20 | Yourmechanic | 4 | Redwood City Auto Body | 2 |
| Tesla Motors | 16 | Service King Collision Repair Centers | 4 | Push Dents | 2 |
| Abra Auto Body Glass | 14 | Service King Collision Repair | 4 | Mazda | 2 |
| F Lofrano Son | 11 | Parker Robb Collision Center | 4 | Matternet | 2 |
| Qualityauto | 10 | Mobile Styles | 4 | Lyft | 2 |
| Verifacts Automotive | 7 | El Monte Rv | 4 | Gmp Cars,Llc | 2 |
| Dent Wizard | 7 | Del Grande Dealer Group | 4 | Faragon Restoration | 2 |
| Cox Communications | 7 | Carmax | 4 | Facebook | 2 |
| Aaa Northern California, Nevada And Utah Insurance Exchange | 7 | Anderson Windows | 4 | Dent Wizard International | 2 |
| Gillig Corporation | 6 | Xcel Collision Center | 3 | Dent Wizard | 2 |
| Richs Auto Body | 5 | Volkswagen | 3 | Collision Repiar Shop In San Francisco | 2 |
| Gmp Cars,Llc | 5 | Santa Cruz Tire And Auto Care | 3 | Chilton Auto Body | 2 |

*Source: Burning Glass*

# Educational Supply

There are four (4) colleges in the Bay Region issuing 24 awards on average annually (last 3 years) on TOP 0949.00 - Automotive Collision Repair. There are no colleges issuing awards on this TOP code in the Mid-Peninsula Sub-Region.

**Table 7. Awards on TOP 0949.00 - Automotive Collision Repair in the Bay Region**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| College | Sub-Region | Associates | Certificates | Noncredit | Total |
| College of Alameda | East Bay | 4 | 10 | - | 14 |
| College of Marin | North Bay | - | 3 | - | 3 |
| Contra Costa College | East Bay | 1 | 3 | - | 4 |
| Solano College | North Bay | 1 | 2 | - | 3 |
| **Total Bay Region** | | **6** | **18** | **0** | **24** |
| **Total Mid-Peninsula Sub-Region** | | **0** | **0** | **0** | **0** |

# *Source: Data Mart*

Note: The annual average for awards is 2015-16 to 2017-18.

# Gap Analysis

Based on the data included in this report, there is a labor market gap in the Bay region with 415 annual openings for the Autobody Repair and Refinishing occupational cluster and 24 annual (3-year average) awards for an annual undersupply of 391 students. In the Mid-Peninsula Sub-Region, there is also a gap with 76 annual openings and no annual (3-year average) awards for an annual undersupply of 76 students.

# Student Outcomes

**Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0949.00 - Automotive Collision Repair**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2015-16 | Bay  (All CTE Programs) | City College of San Francisco (All CTE Programs) | State (0949.00) | Bay (0949.00) | Mid-Peninsula (0949.00) | City College of San Francisco (0949.00) |
| % Employed Four Quarters After Exit | 74% | 72% | 68% | 70% | n/a | n/a |
| Median Quarterly Earnings Two Quarters After Exit | $10,550 | $10,170 | $5,980 | $7,130 | n/a | n/a |
| Median % Change in Earnings | 46% | 31% | 77% | 122% | n/a | n/a |
| % of Students Earning a Living Wage | 63% | 65% | 40% | 48% | n/a | n/a |

*Source: Launchboard Pipeline (version available on 9/11/19)*

# Skills, Certifications and Education

**Table 9. Top Skills for Autobody Repair and Refinishing Occupations in Bay Region (September 2018 - August 2019)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Skill | Postings | Skill | Postings | Skill | Postings |
| Repair | 422 | Cleaning | 28 | MIG and TIG Welding | 13 |
| Auto Repair | 332 | Automotive Industry Knowledge | 23 | Production Management | 13 |
| Welding | 182 | QC Processes | 23 | Transmission Repair | 12 |
| Automotive Painting | 129 | Scheduling | 20 | Merchandising | 11 |
| Power Tools | 115 | Occupational Health and Safety | 18 | Purchasing | 11 |
| Soldering | 88 | Personal Protective Equipment (PPE) | 17 | Retail Industry Knowledge | 11 |
| Customer Service | 77 | Compliance Training | 16 | Technical Assistance | 11 |
| Painting | 69 | Sales | 16 | Brake Work | 10 |
| Hammering | 62 | Teaching | 16 | Estimating Repair Cost | 10 |
| Customer Contact | 47 | Engine Repair | 14 | Laundry | 10 |
| Estimating | 32 | Lifting Ability | 14 | Business Operations | 9 |
| Hazardous Waste | 32 | Steering Repair | 14 | Business Writing | 9 |
| Quality Assurance and Control | 32 | Suspension Repair | 14 | Marketing Materials | 9 |
| Hand Tools | 31 | Automotive Services Industry Knowledge | 13 | Marketing Programs | 9 |
| Manual Dexterity | 29 | Forklift Operation | 13 | Vehicle Systems | 9 |

*Source: Burning Glass*

**Table 10. Certifications for Autobody Repair and Refinishing Occupations in Bay Region (September 2018 - August 2019)**

Note: 44% of records have been excluded because they do not include a certification. As a result, the chart below may not be representative of the full sample.

|  |  |  |  |
| --- | --- | --- | --- |
| Certification | Postings | Certification | Postings |
| Driver's License | 245 | Cosmetology License | 1 |
| Automotive Service Excellence (ASE) Certification | 96 | Certified Teacher | 1 |
| I-Car | 48 | Certified Salesforce Administrator | 1 |
| Welding Certification | 26 | CDL Class A | 1 |
| Environmental Protection Agency Certification | 25 | Automatic Transmission Certification | 1 |
| Air Conditioning (AC) Certification | 17 | Auto Repair Certification | 1 |
| Body Shop | 4 | Audi Certified | 1 |
| BMW Certified | 3 | Air Brake Certified | 1 |
| Security Clearance | 2 | Advanced Engine Performance Certified | 1 |
| Certified A+ Technician | 2 | Adult Learning Certificate | 1 |
| Personal Fitness Trainer Certification | 1 |  |  |
| Makeup Artist | 1 |  |  |

*Source: Burning Glass*

**Table 11. Education Requirements for Autobody Repair and Refinishing Occupations in Bay Region**

Note: 79% of records have been excluded because they do not include a degree level. As a result, the chart below may not be representative of the full sample.

|  |  |  |
| --- | --- | --- |
| Education (minimum advertised) | Latest 12 Mos. Postings | Percent 12 Mos. Postings |
| High school or vocational training | 133 | 100% |
| Associate Degree | 0 | 0% |
| Bachelor’s Degree or Higher | 0 | 0% |

*Source: Burning Glass*

# Methodology

Occupations for this report were identified by use of skills listed in O\*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCO Data Mart.

# Sources

O\*Net Online

Labor Insight/Jobs (Burning Glass)

Economic Modeling Specialists International (EMSI)

CTE LaunchBoard [www.calpassplus.org/Launchboard/](http://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:

* Doreen O’Donovan, Research Analyst, for Bay Area Community College Consortium (BACCC) and Centers of Excellence (CoE), [doreen@baccc.net](mailto:doreen@baccc.net) or (831) 479-6481
* John Carrese, Director, San Francisco Bay Center of Excellence for Labor Market Research, [jcarrese@ccsf.edu](mailto:jcarrese@ccsf.edu) or (415) 267-6544