** Motorcycle Mechanics**

**Labor Market Information Report**

**City College of San Francisco**

Prepared by the San Francisco Bay Center of Excellence

for Labor Market Research

March 2019

# Recommendation

Based on all available data, there appears to be a small undersupply of Motorcycle Mechanics compared to the demand for this occupation in the Bay region. There is a projected annual gap of about 22 students in the Bay region. A gap analysis in the Mid-Peninsula Sub-Region (San Francisco and San Mateo Counties) is not relevant, since City College of San Francisco is the only community college in the Bay region issuing awards on TOP 0948.30 - Motorcycle, Outboard and Small Engine Repair.

This report also provides student outcomes data on employment and earnings for programs on TOP 0948.30 - Motorcycle, Outboard and Small Engine 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 Motorcycle Mechanics in the 12 county Bay region and in the Mid-Peninsula sub-region for a proposed new program at City College of San Francisco.

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| --- |
| * **Motorcycle Mechanics (SOC 49-3052):** Diagnose, adjust, repair, oroverhaul motorcycles, scooters, mopeds, dirt bikes, or similar motorized vehicles. |
| Entry-Level Educational Requirement: Postsecondary nondegree *award* |
| Training Requirement: Short-term *on-the-job training* |
| Percentage of Community College Award Holders or Some Postsecondary Coursework: 35% |

# Occupational Demand

**Table 1. Employment Outlook for Motorcycle Mechanics in Bay Region**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation | 2017 Jobs | 2022 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Average Annual Open-ings | 10% Hourly Wage | Median Hourly Wage |
| Motorcycle Mechanics | 382 | 349 | (34) | (9%) | 194 | 39 | $13.17 | $22.21 |

*Source: EMSI 2019.1*

**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 Motorcycle Mechanics in Mid-Peninsula Sub-Region**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation | 2017 Jobs | 2022 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Average Annual Open-ings | 10% Hourly Wage | Median Hourly Wage |
| Motorcycle Mechanics | 97 | 88 | (9) | (9%) | 48 | 10 | $16.75 | $26.79 |

*Source: EMSI 2019.1*

**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 (March 2018 - Feb 2019)**

| Occupation | Bay Region | Mid-Peninsula |
| --- | --- | --- |
| Motorcycle Mechanics | 21 | 13 |

*Source: Burning Glass*

**Table 4. Top Job Titles for Motorcycle Mechanics for latest 12 months (March 2018 - Feb 2019)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Common Title | Bay | Mid-Peninsula | Common Title | Bay | Mid-Peninsula |
| Mechanic | 12 | 6 | Technician | 2 | 2 |
| Motorcycle Technician | 3 | 2 | Launcher Sf - Scooters | 1 | 1 |
| Bike Builder | 2 | 2 | Lead Technician | 1 |  |

*Source: Burning Glass*

# Industry Concentration

**Table 5. Industries hiring Motorcycle Mechanics in Bay Region**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Industry – 6 Digit NAICS (No. American Industry Classification) Codes | Jobs in Industry (2017) | Jobs in Industry (2022) | % Change (2017-22) | % in Industry (2017) |
| Motorcycle, ATV, and All Other Motor Vehicle Dealers (441228) | 163 | 160 | (17%) | 42.3% |
| Recreational Vehicle Dealers (441210) | 49 | 51 | 12% | 13.4% |
| Other Personal and Household Goods Repair and Maintenance (811490) | 43 | 43 | 0% | 11.3% |
| Boat Dealers (441222) | 28 | 26 | (36%) | 6.8% |
| Appliance Repair and Maintenance (811412) | 18 | 18 | 11% | 4.8% |
| Reupholstery and Furniture Repair (811420) | 17 | 17 | (18%) | 4.5% |

*Source: EMSI 2019.1*

**Table 6. Top Employers Posting Jobs for Motorcycle Mechanics in Bay Region and Mid-Peninsula Sub-Region (March 2018 - Feb 2019)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Employer | Bay | Employer | Bay | Employer | Mid-Peninsula |
| Lime | 3 | Marin Speed Shop | 1 | Lime | 2 |
| Jump Bikes | 2 | Motopia | 1 | Jump Bikes | 2 |
| Del Amo Motorsports | 1 | Motopia Marin | 1 | Uber | 1 |
| Desmoto Sport | 1 | Rc Cycles | 1 | Skip Scooters | 1 |
| Holeshot Powersports | 1 | Skip | 1 | Limebike | 1 |
| Kc Engineering Motorcycle And Scooter Repair | 1 | Skip Scooters | 1 | Kc Engineering Motorcycle And Scooter Repair | 1 |
| La Motojava | 1 | Uber | 1 | La Motojava | 1 |
| Limebike | 1 | Youngs Business Group Llc | 1 | Desmoto Sport | 1 |

*Source: Burning Glass*

# Educational Supply

City College of San Francisco (CCSF) is the only community college in the Bay Region issuing awards on TOP 0948.30 - Motorcycle, Outboard and Small Engine Repair, issuing 17 awards on average annually (last 3 years).

**Table 7. Awards on TOP 0948.30 - Motorcycle, Outboard and Small Engine Repair in the Bay Region**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| College | Sub-Region | Headcount | Associates | Certificates | Total |
| San Francisco | Mid-Peninsula | 91 |  | 17 | 17 |
| **Total Bay Region** | | 91 |  | 17 | 17 |
| **Total Mid-Peninsula Sub-Region** | | **91** |  | **17** | **17** |

# *Source: IPEDS, Data Mart and Launchboard*

NOTE: Headcount of students who took one or more courses is for 2016-17. The annual average for awards is 2014-17 unless there are only awards in 2016-17. The annual average for other postsecondary is for 2013-16.

# Gap Analysis

Based on the data included in this report, there is a small labor market gap in the Bay region with 39 annual openings for Motorcycle Mechanics and 17 annual (3-year average) awards for an annual undersupply of 22 students. A gap analysis in the Mid-Peninsula Sub-Region is not relevant, since City College of San Francisco is the only community college in the Bay region issuing awards on TOP 0948.30 - Motorcycle, Outboard and Small Engine Repair.

# Student Outcomes

**Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0948.30 - Motorcycle, Outboard and Small Engine Repair**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2015-16 | Bay  (All CTE Programs) | City College of San Francisco (All CTE Programs) | State (0948.30) | Bay (0948.30) | Mid-Peninsula (0948.30) | City College of San Francisco (0948.30) |
| % Employed Four Quarters After Exit | 74% | 72% | 62% | 63% | 63% | 63% |
| Median Quarterly Earnings Two Quarters After Exit | $10,550 | $10,170 | $11,931 | $13,184 | $13,184 | $13,184 |
| Median % Change in Earnings | 46% | 31% | 36% | 35% | 35% | 35% |
| % of Students Earning a Living Wage | 63% | 65% | 54% | 55% | 55% | 55% |

*Source: Launchboard Pipeline (version available on 3/8/19)*

# Skills and Education

**Table 9. Top Skills for Motorcycle Mechanics in Bay Region (March 2018 - Feb 2019)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Skill | Postings | Skill | Postings | Skill | Postings |
| Repair | 18 | Business Consulting | 1 | Inventory Maintenance | 1 |
| Power Tools | 5 | Customer Contact | 1 | Investment Banking | 1 |
| Soldering | 4 | Customer Service | 1 | Mechanical Knowledge | 1 |
| Lifting Ability | 2 | Electrical Experience | 1 | Operations Management | 1 |
| Record Keeping | 2 | Electrical Systems | 1 | Project Management | 1 |
| Sales | 2 | Hazardous Waste | 1 | Scheduling | 1 |

*Source: Burning Glass*

**Table 10. Education Requirements for Motorcycle Mechanics in Bay Region**

Note: 76% 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 |
| High school or vocational training | 5 (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:

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