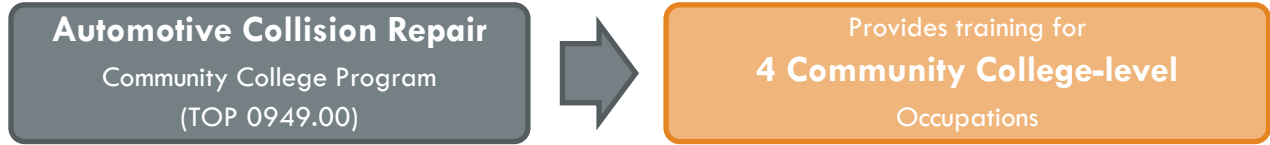


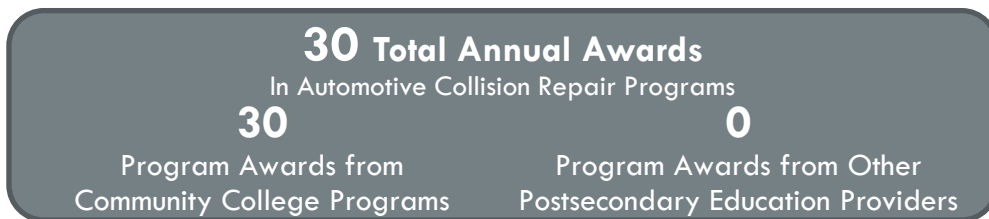
# Street Rod Construction

*Inland Empire/Desert Region (Riverside and San Bernardino counties)*

## Summary



Over the next five years (2022-2027), employment for street rod construction occupational group is projected to:



**The Inland Empire/Desert Centers of Excellence**  
 **Recommends**  
 automotive collision repair program expansion  
 to meet the need for more workers in the region

## Introduction

This labor market assessment provides occupational demand, earnings, and postsecondary program outcomes related to street rod construction. The California Community College program most likely to train skills related to street rod construction is the automotive collision repair program (TOP 0949.00). Automotive collision repair programs prepare students for employment through instruction of the repair and refinishing of automotive vehicle panels and bodies, straightening of vehicle frames and unibodies, and replacement of damaged vehicle glass (Taxonomy of Programs, 2023). The knowledge, skills, and abilities trained by automotive collision repair programs lead to employment in four occupations referred to as the street rod construction occupational group.

1. Automotive Body and Related Repairers (49-3021)
2. Automotive Glass Installers and Repairers (49-3022)
3. Automotive Service Technicians and Mechanics (49-3023)

4. Coating, Painting, and Spraying Machine Setters, Operators, and Tenders (51-9124)

## Job Demand

In 2022, there were 15,213 jobs in the street rod construction occupational group in the Inland Empire/Desert Region. Employment for this occupational group is projected to increase by 10% through 2027; 1,878 job openings are projected annually. Exhibit 1 displays the job counts, five-year projected job growth, job openings, and the share of incumbent workers aged 55 years and older in the region.

*Exhibit 1. Five-year projections for street rod construction occupational group, Inland Empire/Desert Region, 2022-2027*

Occupation	2022 Jobs	2027 Jobs	5-Yr % Change	5-Yr Openings (New + Replacement Jobs)	Annual Openings (New + Replacement Jobs)	% of workers age 55+
Automotive Service Technicians and Mechanics	10,878	11,955	10%	6,662	1,332	20%
Automotive Body and Related Repairers	1,886	2,172	15%	1,260	252	26%
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,777	1,919	8%	1,056	211	21%
Automotive Glass Installers and Repairers	673	750	11%	411	82	14%
<b>Total</b>	<b>15,213</b>	<b>16,796</b>	<b>10%</b>	<b>9,389</b>	<b>1,878</b>	<b>21%</b>

Source: Lightcast 2023.3

An online job ad search for the street rod construction occupational group was conducted to reveal the employers seeking these workers, including the median posting duration, earnings information, and in-demand skills. Exhibit 2 displays the number of job ads posted for the street rod construction occupational group over the last 12 months and the median posting duration. Over the previous 12 months, employers posted 388 job ads for street rod construction occupational group openings. This job ad search was limited to positions that require automotive collision and repair skills.

On average, regional employers kept online job ads for street rod construction occupational group jobs open for 29 days, the same as the other regional average across all occupations. This may indicate that employers face similar challenges filling street rod construction occupational group positions as other jobs.

*Exhibit 2. Job ads and posting duration, Inland Empire/Desert Region, September 2022 through August 2023*

Occupation	Job Ads	Median Posting Duration (Days)
Automotive Body and Related Repairers	259	29
Automotive Service Technicians and Mechanics	100	29

Occupation	Job Ads	Median Posting Duration (Days)
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	29	24
Automotive Glass Installers and Repairers	0	36
<b>Total</b>	<b>388</b>	<b>29</b>

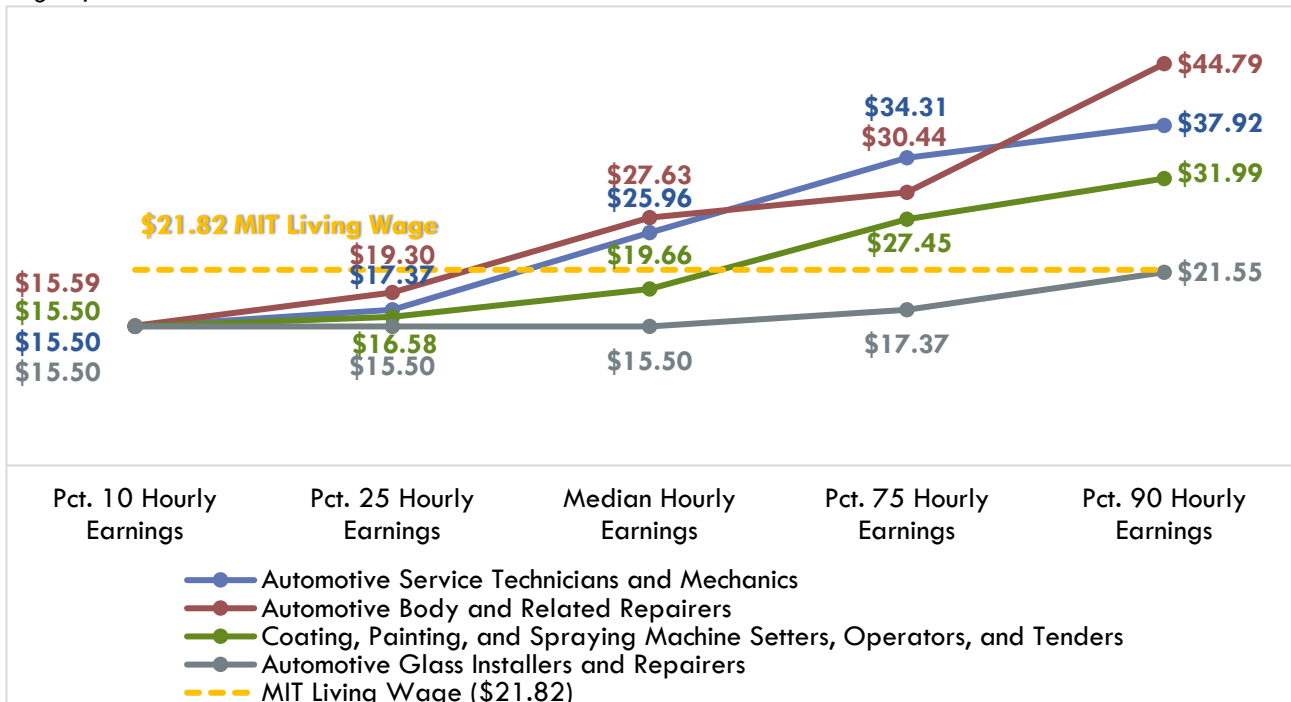
Source: Lightcast 2023.3

## Earnings

Community colleges should ensure their training programs lead to employment opportunities that provide a living wage. The MIT living wage calculator estimates that an individual must earn \$21.82 per hour or \$45,386 annually to be self-sufficient in California (Glasmeier, 2023).

Exhibit 3 displays the hourly earnings for the street rod construction occupational group. The median hourly earnings for automotive service technicians and mechanics and automotive body and related repairers are above the living wage, indicating that at least the top half of these workers earn a living wage. The hourly earnings for coating, painting, and spraying machine setters, operators, and tenders surpass the living wage at the 75<sup>th</sup> percentile. The hourly earnings for automotive glass installers and repairers do not exceed the living wage standard, indicating that workers may struggle to support themselves.

Exhibit 3. Hourly earnings by percentile for street rod construction occupational group, Inland Empire/Desert Region, 2022



Source: Lightcast 2023.3

## Online Job Ads Salary

Exhibit 4 displays the regional online advertised salaries for the street rod construction occupational group over the last 12 months. Online job ad salary information reveals employers are willing to pay the street rod construction occupational group an annual salary of \$59,300 or \$28.49 per hour, below the region's \$21.82 hourly living wage standard.

*Exhibit 4. Online advertised salaries for street rod construction occupational group, Inland Empire/Desert Region, September 2022 through August 2023*



Source: Lightcast 2023.3

## Online Job Ad: Job Titles, Employers, Skills, Education, and Work Experience

Exhibit 5 displays the job titles most frequently used in street rod construction job ads over the last 12 months. Displaying advertised job titles may provide insight into the types of positions sought by employers posting job ads. Auto body technician was the job title most frequently used in employer job ads for the street rod construction occupational group.

*Exhibit 5. Job titles most frequently used in street rod construction occupational group job ads, Inland Empire/Desert Region, September 2022 through August 2023*

Job Titles	Unique Job Ads
Auto Body Technicians	149
Auto Body Paint Preppers	27
Body Shop Technicians	25
Body Shop Estimators	20
Auto Body Painters	23
All other job titles	144
<b>Total</b>	<b>388</b>

Source: Lightcast 2023.3

Exhibit 6 displays the employers posting the most job ads for the street rod construction occupational group during the last 12 months. Showing employer names provides insight into where students may find employment after completing a program. Gerber Collision and Glass posted the most job ads for the street rod construction occupational group over the last 12 months.

*Exhibit 6. Employers posting the most job ads for street rod construction occupational group, Inland Empire/Desert Region, September 2022 through August 2023*

Top Employer	Unique Job Ads
Gerber Collision & Glass	84
Boyd Group International	54
Seidners Collision Center	15
Ben Clymer's The Body Shop	11
Classic Collision	10
Rush Enterprises	9
Moss Bros Auto Group	8
All other employers	197
<b>Total</b>	<b>388</b>

Source: Lightcast 2023.3

Exhibit 7 lists a sample of specialized and employability skills employers seek when seeking workers to fill street rod construction positions. Specialized skills are occupation-specific skills that employers request for industry or job competency. Common skills are foundational skills that transcend industries and occupations; this category is often referred to as "soft skills." The skills requested in job ads may be utilized to guide curriculum development.

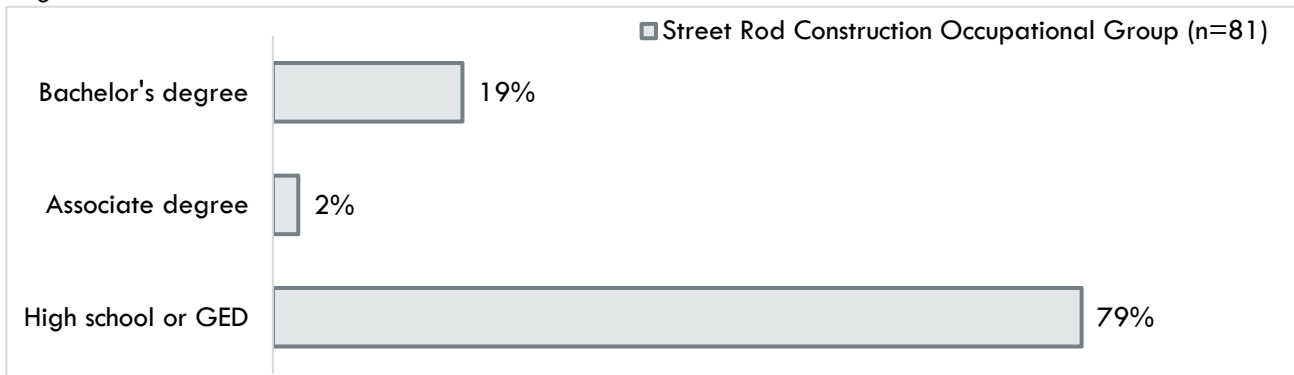
*Exhibit 7. Sample of in-demand skills from employer job ads, Inland Empire/Desert Region, September 2022 through August 2023*

Specialized skills (n=388)	Common skills
<ul style="list-style-type: none"> <li>Automotive Services</li> <li>Painting</li> <li>Power Tool Operations</li> <li>Auto Body Repairs</li> <li>Welding</li> </ul>	<ul style="list-style-type: none"> <li>Customer Service</li> <li>Detail Oriented</li> <li>Communication</li> <li>Operations</li> <li>Management</li> </ul>

Source: Lightcast 2023.3

Exhibit 8 displays the minimum advertised education requirements for the street rod construction occupational group. According to the Bureau of Labor Statistics, 27% and 36% of incumbent workers in this field hold a community college-level of educational attainment, "some college, no degree," and an "associate degree." Most employer job ads (81%) sought a candidate with an associate degree or a high school diploma.

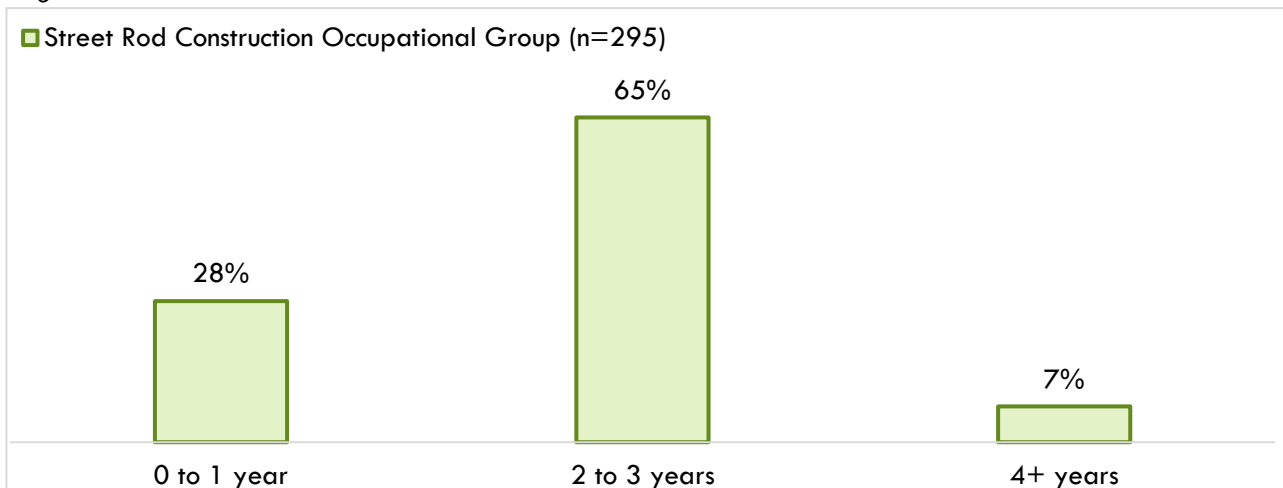
Exhibit 8. Minimum advertised education requirements, Inland Empire/Desert Region, September 2022 through August 2023



Source: Lightcast 2023.3

Exhibit 9 displays the work experience typically required from employer job ads for the street rod construction occupational group. Approximately 65% of employers listing minimum experience requirements sought candidates with two to three years of previous work experience, indicating that employers value candidates with previous work experience.

Exhibit 9. Real-time work experience requirements, Inland Empire/Desert Region, September 2022 through August 2023



Source: Lightcast 2023.3

## Student Completions & Programs Outcomes

Exhibit 10 displays student completions for automotive collision repair (TOP 0949.00) programs over the last three academic years (2019-22). In the previous three academic years, two regional community colleges issued 30 annual average awards in automotive collision repair programs. Program completion and student outcome methodologies are found in the appendix.

Exhibit 10. Annual average community college awards for automotive collision repair programs, Inland Empire/Desert Region, Academic Years 2019-2022

TOP 0949.00 – Automotive Collision Repair (Local Program Title)	Academic Year 2019-20	Academic Year 2020-21	Academic Year 2021-22	Total CC Annual Average Awards, Academic Years 2019-22
<b>Riverside City College</b> (Automotive Technology Collision Repair/Automotive Refinishing and Paint)				<b>11</b>
Associate Degree	2	1	3	2
Certificate 30 < 60-semester units	1	0	0	0
Certificate 16 < 30-semester units	13	4	9	9
<b>San Bernardino Valley College</b> (Advanced Automotive Collision Repair and Refinishing/Basic Automotive Collision Repair and Refinishing/Street Rod Construction)				<b>19</b>
Associate Degree	4	0	6	3
Certificate 30 < 60-semester units	4	6	6	5
Certificate 16 < 30-semester units	10	11	5	9
Certificate 6 < 18-semester units	3	0	3	2
<b>Total</b>	<b>37</b>	<b>22</b>	<b>32</b>	<b>30</b>

Source: MIS Data Mart, COCI

California program outcome data may provide useful insight into the likelihood of success for the proposed program. Community college student outcome information based on the selected TOP code and region is provided in Exhibit 11.

Exhibit 11. 0949.00 – Automotive collision repair strong workforce program outcomes, Inland Empire/Desert Region, Academic Year 2020-2021 (Unless Noted)

Strong Workforce Program Metrics: 0949.00 – Automotive Collision Repair	Inland Empire/Desert Region	California
Unduplicated count of enrolled students (2021-22)	125	1,443
Completed 9+ career education units in one year (2021-22)	39%	39%
Students who attained a noncredit workforce milestone in a year (2021-22)	-	95%
Students who earned a degree, certificate, or attained apprenticeship (2021-22)	16	188
Job closely related to the field of study (2019-20)	83%	61%
Median annual earnings (all exiters)	\$34,148	\$36,964
Median change in earnings (all exiters)	18%	33%

Strong Workforce Program Metrics: 0949.00 – Automotive Collision Repair	Inland Empire/Desert Region	California
Attained a living wage (completers and skills-builders)	69%	54%

Sources: LaunchBoard Community College Pipeline and Strong Workforce Program Metrics

Other postsecondary education institutions in the region have not issued awards in autobody/collision and repair technology/technician (CIP 47.0603) programs over the last two academic years.

## Summary of Findings & Recommendation

Over the next five years (2022-2027), the combined street rod construction group jobs are projected to have 1,878 annual job openings and increase employment by 10% in the Inland Empire/Desert Region. The median hourly earnings for automotive service technicians and mechanics and automotive body and related repairers are above the living wage, indicating that at least the top half of these workers earn a living wage. The hourly earnings for coating, painting, and spraying machine setters, operators, and tenders surpass the living wage at the 75<sup>th</sup> percentile. The hourly earnings for automotive glass installers and repairers do not exceed the living wage standard, indicating that workers may struggle to support themselves.

Over the last three academic years, two regional community colleges issued 30 annual average awards in automotive collision repair programs. Other postsecondary education institutions in the region have not issued awards in autobody/collision and repair technology/technician (CIP 47.0603) programs over the last two academic years.

The Centers of Excellence recommends expanding automotive collision repair training programs to meet the demand for more workers. Colleges considering this program should partner with applicable employers to document their demand for workers and the skills students need to earn a living wage after exiting the program.

### Contact

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## Appendix: Job Advertisement Criteria

Keywords:

- Collision
- Body
- Structural
- Restoration
- Street Rod
- Hot Rod
- Frame
- Chassis

## Appendix: Methodology

Exhibit 10 displays the average annual California Community College (CCC) awards conferred during the three academic years between 2019 and 2022 from the California Community Colleges Chancellor's Office Management Information Systems (MIS) Data Mart. Awards are the combined total of associate degrees and certificates issued during the timeframe, divided by three in this case to calculate an annual average. This is done to minimize the effect of atypical variations that might be present in a single year.

Community college student outcome information is from LaunchBoard and based on the selected TOP code and region. These metrics are based on records submitted to the California Community Colleges Chancellor's Office Management Information Systems (MIS) by community colleges, which come from self-reported student information from CCC Apply and the National Student Clearinghouse. Employment and earnings metrics are sourced from California's Employment Development Department's Unemployment Insurance database. When available, outcomes for completers are reported to demonstrate the impact that earning a degree or certificate can have on employment and earnings. For more information on the types of students included for each metric, please see the web link for LaunchBoard's Strong Workforce Program Metrics Data Element

Dictionary in the References section (LaunchBoard, 2023a). Finally, employment in a job closely related to the field of study comes from self-reported student responses on the CTE Employment Outcomes Survey (CTEOS) administered by Santa Rosa Junior College (LaunchBoard, 2023a).

Table 1. 2022 to 2027 job growth, wages, entry-level education, training, and work experience required for street rod construction occupational group in the Inland Empire/Desert Region (Riverside and San Bernardino Counties combined)

Occupation (SOC)	2022 Jobs	5-Year Change	5-Year % Change	Annual Openings (New + Replacement Jobs)	Entry-Experienced Hourly Wage (10 <sup>th</sup> to 90 <sup>th</sup> percentile)	Median Hourly Wage (50 <sup>th</sup> percentile)	Average Annual Earnings	Entry-Level Education & On-The-Job-Training	Work Experience Required
Automotive Service Technicians and Mechanics (49-3023)	10,878	1,078	10%	1,332	\$15.50 to \$37.92	\$25.96	\$54,600	Postsecondary nondegree award & One month	None
Automotive Body and Related Repairers (49-3021)	1,886	287	15%	252	\$15.59 to \$44.79	\$27.63	\$57,800	High school diploma or equivalent & More than twelve months	None
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders (51-9124)	1,777	142	8%	211	\$15.50 to \$31.99	\$19.66	\$48,600	High school diploma or equivalent & One to twelve months	None
Automotive Glass Installers and Repairers (49-3022)	673	77	11%	82	\$15.50 to \$21.55	\$15.50	\$33,200	High school diploma or equivalent & One to twelve months	None
<b>Total</b>	<b>15,213</b>	<b>1,583</b>	<b>10%</b>	<b>1,878</b>	-	-	-	-	-

Source: Lightcast 2023.3