Automotive Technology Occupational Group

*Desert/ Inland Empire Region*

# Demand for Automotive Technology Occupations

The following occupations are trained by automotive technology community college programs. The automotive service technicians and mechanics occupations is expected to have the most job openings (5,243 total job openings) over the next five years. Electrical and electronics installers and repairers, transportation equipment is the fastest growing occupation in this group, increasing employment 13%, and is expected to have nearly 100 job openings over the next five years.

| Automotive Technology Occupational Group (SOC Code) | 2016 Jobs | 2021 Jobs | 2016 - 2021 % Change  (New Jobs) | 2016 - 2021 Openings  (New and Replacement Jobs) | Annual Openings  (New and Replacement Jobs) | Age 55+ % of Occupation | \*Middle Skill Job? |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Automotive Service Technicians and Mechanics (49‑3023) | 9,870 | 10,532 | 7% | 5,243 | 1,049 | 19% | Yes |
| Bus and Truck Mechanics and Diesel Engine Specialists (49‑3031) | 4,524 | 5,072 | 12% | 2,577 | 515 | 21% | Yes |
| First-Line Supervisors of Mechanics, Installers, and Repairers (49‑1011) | 4,428 | 4,876 | 10% | 2,397 | 479 | 27% | Yes |
| Electrical and Electronics Installers and Repairers, Transportation Equipment (49‑2093) | 160 | 181 | 13% | 96 | 19 | 14% | Yes |
| TOTAL | **18,982** | **20,661** | **9%** | **10,312** | **2,062** | **21%** |  |

Source: EMSI 17.3, COE

\*Middle skill definition is found in Appendix A

# Wages

Wages for automotive technology occupations are sorted by highest average hourly earnings. First-line supervisors of mechanics, installers, and repairers have the highest 10th percentile “entry-level” hourly wage and average hourly earnings. The living wage for a single adult living in the Inland Empire/ Desert Region is $12.10 per hour according to the MIT Living Wage Calculator. All occupations meet this standard at the entry-level wage except automotive service technicians and mechanics. However, this occupation rises above the living wage at the 25th percentile wage ($12.24 per hour).

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| Automotive Technology Occupational Group (SOC Code) | Hourly Earnings Range\* | Avg. Hourly Earnings |
| First-Line Supervisors of Mechanics, Installers, and Repairers (49‑1011) | $19.16 to $51.09 | $34.17 |
| Electrical and Electronics Installers and Repairers, Transportation Equipment (49‑2093) | $12.18 to $34.47 | $25.36 |
| Bus and Truck Mechanics and Diesel Engine Specialists (49‑3031) | $13.25 to $33.72 | $22.80 |
| Automotive Service Technicians and Mechanics (49‑3023) | $11.03 to $32.90 | $19.39 |

Source: EMSI 17.3

\*10th to 90th Percentile

# Completions

| 094800 - Automotive Technology | | Course Enrollments | | | Last 3 Yr Average CC Completions (2013-16) | Last 3 Yr Average Other Completions (2013-16) |
| --- | --- | --- | --- | --- | --- | --- |
| 2013-14 | 2014-15 | 2015-16 |
| Universal Technical Institute of California Inc | |  |  |  |  |  |
| Award 2 < 4 years | |  |  |  |  | 1,014 |
| Award 1 < 2 years | |  |  |  |  | 3 |
| Universal Technical Institute of California Inc Total | |  |  |  |  | **1,017** |
| Barstow | |  |  |  |  |  |
| Associate Degree | |  |  |  | 3 |  |
| Certificate 18 to < 30 semester units | |  |  |  | 3 |  |
| Barstow Total | | **215** | **296** | **356** | **6** |  |
| Chaffey | |  |  |  |  |  |
| Associate Degree | |  |  |  | 9 |  |
| Certificate 30 to < 60 semester units | |  |  |  | 5 |  |
| Certificate 18 to < 30 semester units | |  |  |  | 50 |  |
| Chaffey Total | | **762** | **796** | **710** | **63** |  |
| Copper Mountain | |  |  |  |  |  |
| Associate Degree | |  |  |  | 4 |  |
| Copper Mountain Total | | **108** | **103** | **102** | **4** |  |
| College of the Desert | |  |  |  |  |  |
| Associate Degree | |  |  |  | 4 |  |
| Certificate 18 to < 30 semester units | |  |  |  | 33 |  |
| College of the Desert Total | | **727** | **792** | **793** | **37** |  |
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| Mt. San Jacinto | |  |  |  |  |  |
| Associate Degree | |  |  |  | 6 |  |
| Certificate 30 to < 60 semester units | |  |  |  | 8 |  |
| Mt. San Jacinto Total | | **330** | **391** | **384** | **14** |  |
| San Bernardino | |  |  |  |  |  |
| Associate Degree | |  |  |  | 2 |  |
| Certificate 30 to < 60 semester units | |  |  |  | 5 |  |
| Certificate 18 to < 30 semester units | |  |  |  | 6 |  |
| Certificate 6 to < 18 semester units | |  |  |  | 7 |  |
| San Bernardino Total | | **620** | **583** | **511** | **20** |  |
| Palo Verde | |  |  |  |  |  |
| Associate Degree | |  |  |  | 1 |  |
| Certificate 18 to < 0 semester units | |  |  |  | 8 |  |
| Certificate 6 to < 18 semester units | |  |  |  | 3 |  |
| Palo Verde Total | | **250** | **301** | **379** | **12** |  |
| Riverside | |  |  |  |  |  |
| Associate Degree | |  |  |  | 14 |  |
| Certificate 18 to < 30 semester units | |  |  |  | 24 |  |
| Riverside Total | | **940** | **982** | **875** | **38** |  |
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| Victor Valley | |  |  |  |  |  |
| Associate Degree | |  |  |  | 8 |  |
| Certificate 30 to < 60 semester units | |  |  |  | 3 |  |
| Certificate 18 to < 30 semester units | |  |  |  | 16 |  |
| Victor Valley Total | | **1,035** | **1,287** | **1,394** | **27** |  |
| 094800 - Automotive Technology Total | | **4,987** | **5,531** | **5,504** | **221** | **1,017** |
| Source: Datamart, Launchboard |

**094800 – Automotive Technology** community college program outcomes in the Inland Empire/ Desert Region in academic year 2014‑15:

* The median annual wage after program completion is $**18,506** (Statewide median $**21,590**)
* **30**% of students are earning a living wage **(40**%)
* Median change in earnings was **76**% **(76**%)
* **63**% of students are employed within six months after completing a program **(69**%)

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| Appendix AMiddle Skill Definition: Note: Exceptions were made for those already categorized as such. An occupation only needed to meet one criteria. |
| 1. All occupations listed as having some college or associate degree = Yes |
| 2. All occupations needing an apprenticeship = Yes |
| 3. All occupations with a Bachelor’s degree with ~>= 33% of workers (CPS) having some college to associate degree = Yes |
| 4. All occupations with high school or equivalent or no formal education with long-term OTJ = Yes |
| 5. All supervisorial occupations (skills-builder qualified) = Yes |
| 6. All occupations with high school or equivalent or no formal education with less than 5 years work experience = Yes |
| 7. Exceptions for Bachelor’s degree where there is pre-existing CCs level programs |
| 8. Exceptions were made for occupations with high school or equivalent or no formal education with short or moderate OTJ where multiple CCs have pre-existing programs |