



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).

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	



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		
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	



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		
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%**)

Appendix A

Middle 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 $\sim \geq 33\%$ 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

