

Advanced Transportation & Logistics

Public Policy Institute of California (PPIC) Occupations

The advanced transportation and logistics (AT&L) sector includes industries providing transportation of passengers and cargo, warehousing and storage for goods, and support activities related to modes of transportation. The modes of transportation are air, rail, water, and road. Support activities include the routine repair and maintenance of transportation equipment, such as aircraft, railroad rolling stock, cars, trucks, and ships. Many establishments in this sector often operate on networks with physical facilities, labor forces, and equipment spread over an extensive geographic area.

The Public Policy Institute of California (PPIC) developed a list of occupations that are essential to the continuity of functions critical to protecting communities, such as public health, safety functions, and economic and national security functions. The AT&L occupations listed are categorized by their PPIC inclusion, the quality of wages, and employment opportunities and sorted by the number of annual job openings. See the data definitions at the end of this document for further information.

Occupations	Skill-Level	2019 Jobs	2019 - 2024 % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings
Public Policy Institute of California (PPIC) Occupations with High Wages & Many Employment Opportunities						
Heavy and Tractor-Trailer Truck Drivers	Middle-Skill	30,990	10%	4,347	\$17.40	\$22.56
Production, Planning, and Expediting Clerks	Middle-Skill	4,965	9%	631	\$17.62	\$22.31
Bus and Truck Mechanics and Diesel Engine Specialists	Middle-Skill	4,024	8%	458	\$17.90	\$23.55
Transportation, Storage, and Distribution Managers	Middle-Skill	2,333	15%	270	\$31.01	\$40.99
Mobile Heavy Equipment Mechanics, Except Engines	Middle-Skill	1,954	7%	229	\$25.97	\$30.16

Occupations	Skill-Level	2019 Jobs	2019 - 2024 % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings
Bus Drivers, Transit and Intercity	Middle-Skill	1,448	5%	200	\$15.52	\$20.21
Cargo and Freight Agents	Middle-Skill	1,009	27%	164	\$15.80	\$20.23
Aircraft Mechanics and Service Technicians	Middle-Skill	1,621	6%	158	\$25.11	\$34.93
Middle-Skill PPIC Occupations with Low Wages or Few Employment Opportunities (Criteria not met is underlined)						
Automotive Service Technicians and Mechanics	Middle-Skill	12,746	4%	1,353	\$13.75	<u>\$19.32</u>
Automotive Body and Related Repairers	Middle-Skill	1,716	7%	195	\$13.86	<u>\$18.24</u>
Recreational Vehicle Service Technicians	Middle-Skill	440	6%	<u>55</u>	\$14.33	<u>\$17.45</u>
Commercial Pilots	Middle-Skill	441	9%	<u>55</u>	\$25.03	\$36.21
Locomotive Engineers	Middle-Skill	579	-1%	<u>55</u>	\$32.34	\$40.04
Rail Car Repairers	Middle-Skill	351	4%	<u>39</u>	\$17.74	\$21.12
Motorcycle Mechanics	Middle-Skill	271	8%	<u>33</u>	\$16.43	\$23.23
Transportation Inspectors	Middle-Skill	241	7%	<u>29</u>	\$22.63	\$29.15
Avionics Technicians	Middle-Skill	312	6%	<u>27</u>	\$27.34	\$33.99
Captains, Mates, and Pilots of Water Vessels	Middle-Skill	239	3%	<u>25</u>	\$20.36	\$30.21
Electric Motor, Power Tool, and Related Repairers	Middle-Skill	144	8%	<u>18</u>	\$18.32	\$24.33
Air Traffic Controllers	Middle-Skill	172	5%	<u>18</u>	\$45.36	\$49.30

Occupations	Skill-Level	2019 Jobs	2019 - 2024 % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings
Electrical and Electronics Installers and Repairers, Transportation Equipment	Middle-Skill	157	3%	<u>15</u>	\$26.37	\$28.63
Airfield Operations Specialists	Middle-Skill	113	8%	<u>13</u>	\$18.28	\$24.60
Ship Engineers	Middle-Skill	81	1%	<u>10</u>	\$31.48	\$37.50
Flight Attendants	Middle-Skill	24	104%	<u>9</u>	\$19.57	\$24.85
Electronic Equipment Installers and Repairers, Motor Vehicles	Middle-Skill	52	-2%	<u>6</u>	\$19.59	\$21.76
Aircraft Cargo Handling Supervisors	Middle-Skill	22	41%	<u>5</u>	\$16.41	\$20.17
Motorboat Operators	Middle-Skill	31	0%	<u>3</u>	\$12.39	\$23.26
Commercial Divers	Middle-Skill	15	20%	<u>2</u>	\$12.98	\$23.12
Lower-Skill PPIC Occupations with Low Wages or Few Employment Opportunities (Criteria not met is underlined)						
Light Truck Drivers	Lower-Skill	14,040	14%	2,100	\$13.57	\$18.90
Shipping, Receiving, and Inventory Clerks	Lower-Skill	10,910	11%	1,390	\$13.93	<u>\$16.53</u>
Dispatchers, Except Police, Fire, and Ambulance	Lower-Skill	2,265	8%	262	\$14.02	<u>\$17.95</u>
Tire Repairers and Changers	Lower-Skill	1,766	0%	198	\$12.75	<u>\$14.43</u>
Couriers and Messengers	Lower-Skill	1,333	11%	163	\$12.21	<u>\$14.48</u>
Automotive Glass Installers and Repairers	Lower-Skill	656	6%	<u>72</u>	\$12.36	<u>\$14.37</u>

Occupations	Skill-Level	2019 Jobs	2019 - 2024 % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings
Railroad Conductors and Yardmasters	Lower-Skill	713	-1%	<u>68</u>	\$32.80	\$37.65
Subway and Streetcar Operators	Lower-Skill	174	5%	<u>20</u>	\$28.98	\$34.59
Railroad Brake, Signal, and Switch Operators and Locomotive Firers	Lower-Skill	153	-2%	<u>14</u>	\$17.02	\$23.46
Signal and Track Switch Repairers	Lower-Skill	118	-1%	<u>13</u>	\$32.20	\$38.57
Traffic Technicians	Lower-Skill	51	8%	<u>6</u>	\$33.39	\$41.23
Rail Yard Engineers, Dinkey Operators, and Hostlers	Lower-Skill	55	4%	<u>6</u>	\$17.74	\$20.78
Bridge and Lock Tenders	Lower-Skill	36	3%	<u>4</u>	\$20.64	\$21.80
Higher-Skill PPIC Occupations with Few Employment Opportunities (Criteria not met is underlined)						
Airline Pilots, Copilots, and Flight Engineers	Higher-Skill	670	-1%	<u>70</u>	\$62.65	\$81.83
Non-PPIC Occupations with High Wages or Many Employment Opportunities						
First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	Middle-Skill	8,435	15%	1,222	\$20.50	\$27.06
Non-PPIC Occupations with Low Wages or Few Employment Opportunities (Criteria not met is underlined)						
Stockers and Order Fillers	Lower-Skill	49,607	8%	7,619	\$12.75	<u>\$14.84</u>
Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	Middle-Skill	8,203	20%	1,456	\$12.34	<u>\$17.16</u>
Order Clerks	Lower-Skill	2,971	7%	395	\$14.29	<u>\$17.39</u>

Occupations	Skill-Level	2019 Jobs	2019 - 2024 % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings
Upholsterers	Lower-Skill	455	0%	<u>49</u>	\$12.14	<u>\$15.53</u>
Outdoor Power Equipment and Other Small Engine Mechanics	Middle-Skill	409	3%	<u>45</u>	\$15.62	<u>\$18.56</u>
Motorboat Mechanics and Service Technicians	Middle-Skill	357	5%	<u>41</u>	\$15.30	<u>\$19.55</u>
Passenger Attendants	Middle-Skill	106	18%	<u>19</u>	\$13.16	<u>\$15.40</u>
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Middle-Skill	10	120%	<u>4</u>	\$13.88	<u>\$16.72</u>

Data Definitions:

High Wage: the occupation's median wage meets or exceeds the \$19.94 hourly regional living wage for one adult with one school-age child

Many Employment Opportunities: the occupation has more than 100 annual job openings

Skill-level

Middle-skill occupations typically require some college, a postsecondary nondegree award, an associate degree. This is the level of education provided by the California Community Colleges.

Higher-skill occupations typically require a bachelor's degree. Occupations that require more than a bachelor's degree are excluded.

Lower-skill occupations typically require a high school diploma or equivalent. Occupations that require less than a high school diploma are excluded.

Sources:

[Centers of Excellence Middle-skill Methodology](#), [Self-Sufficiency Standard for California 2018](#), [University of Washington](#), EMSI 20.3, [Public Policy Institute California](#)