

SUPPLY CHAIN TECHNICIANS IN WASHINGTON



National Center for
Supply Chain Automation

WHO ARE SUPPLY CHAIN TECHNICIANS?

The National Center for SCA defines the job of a Supply Chain Technician as a person who installs, operates, supports, upgrades or maintains the automated material handling equipment and systems that support the supply chain.

Supply chain technician is an emergent occupation that does not currently exist in the federal Standard Occupational Classification (SOC) system.

WHY SUPPLY CHAIN TECHNICIANS?

Washington accounts for over 2% of the current supply chain technicians related workforce in the nation



- Schools in the United States are not producing enough supply chain mechanics and technicians with the requisite skills.

(University of Tennessee, 2015)

- The supply chain field gets overlooked by new graduates, who think of supply-chain work as “a guy driving a forklift in a dusty old factory.” That outdated image is a huge hurdle for an industry that badly needs new talent in high tech, analytics, robotics, and engineering. (Fortune Magazine, 2014)

EMPLOYMENT IN WASHINGTON*

In Washington, supply chain related technicians and mechanics (defined using nine standard occupational codes) are currently estimated to number about 54,800. They are projected to grow by 14% by 2025. In addition to the new growth, companies are expected to replace about 22% of their current technician workforce, thus creating about 19,500 total job openings (both new and replacement) in the next 10 years.

Washington is home to 79 distribution center facilities of over 250,000 square feet. (CoStar, 2014)

Studies suggest that 70% of warehouses will add more automated processes in a 5-year timeframe. (Motorola 2013 Warehouse Visions Report)

With an average need for 4-6 technicians per large automated distribution center, Washington warehouses will need estimated 250 to 350 trained technicians to support their automated operations in a 5-year period.

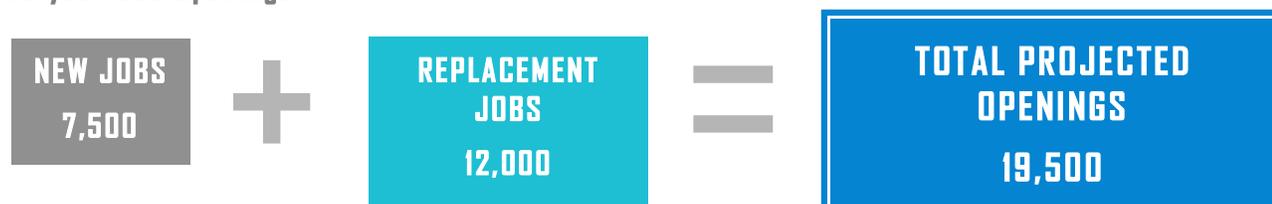
10-year Employment Projections

2015 JOBS
54,800

+ 14% →

2025 JOBS
62,300

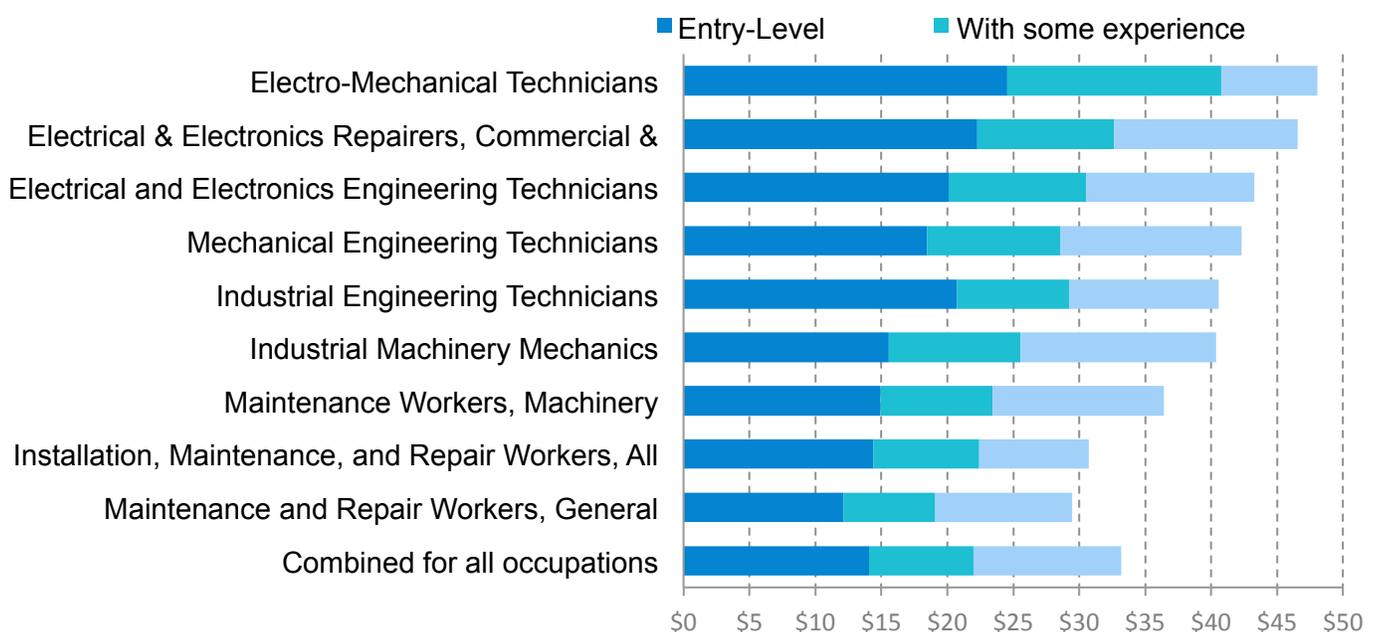
10-year Job Openings



EMPLOYMENT PROJECTIONS FOR OCCUPATIONS RELATED TO SUPPLY CHAIN TECHNICIANS IN WASHINGTON, 2015-2025

Occupations (Standard Occupational Code)	2015 Jobs	2025 Jobs	Total Job Openings (new & replacement)	New Jobs	Replacement Jobs	% Growth	% Replacement
Maintenance and Repair Workers, General (49-9071)	33,686	37,702	10,928	4,016	6,912	12%	21%
Industrial Machinery Mechanics (49-9041)	7,403	9,019	4,031	1,616	2,415	22%	33%
Installation, Maintenance, and Repair Workers, All Other (49-9099)	4,298	4,807	1,275	509	766	12%	18%
Electrical and Electronics Engineering Technicians (17-3023)	2,648	3,023	967	375	592	14%	22%
Industrial Engineering Technicians (17-3026)	2,338	2,569	746	231	515	10%	22%
Maintenance Workers, Machinery (49-9043)	1,859	2,232	632	373	259	20%	14%
Electrical & Electronics Repairers, Comm. & Industrial Equipment (49-2094)	1,567	1,707	470	140	330	9%	21%
Mechanical Engineering Technicians (17-3027)	802	937	317	135	182	17%	23%
Electro-Mechanical Technicians (17-3024)	230	270	93	40	53	17%	23%

HOURLY EARNINGS OF OCCUPATIONS RELATED TO SUPPLY CHAIN TECHNICIANS IN WASHINGTON, 2015**



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*As an emerging occupation, Supply Chain Technician (SCT) does not have a designated SOC code. Each SOC code listed in this brief includes SCTs as a primary segment of its workforce, as well as an unknown number not employed as SCTs. **Wages in the chart are represented for 10th, 50th, and 90th percentiles.