

SUPPLY CHAIN TECHNICIANS IN NEW JERSEY



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?

New Jersey accounts for over 2% of the current supply chain technician 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 That outdated image is a huge hurdle for an industry that badly needs new talent in high tech, analytics, robotics, and engineering.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 NEW JERSEY*

In New Jersey, supply chain related technicians and mechanics (defined using nine standard occupational codes) are currently estimated to number about 56,600. They are projected to grow by 6% by 2025. In addition to the new growth, companies are expected to replace about 21% of their current technician workforce, thus creating about 15,300 total job openings (both new and replacement) in the next 10 years.

New Jersey is home to 137 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, New Jersey warehouses will need estimated 400 to 600 trained technicians to support their automated operations in a 5-year period.

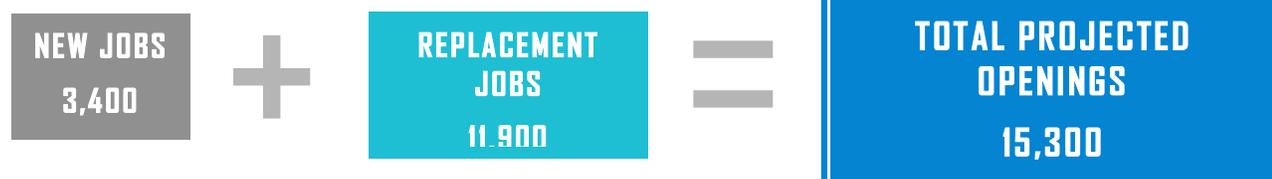
10-year Employment Projections

2015 JOBS
56,600

+ 6% →

2025 JOBS
60,000

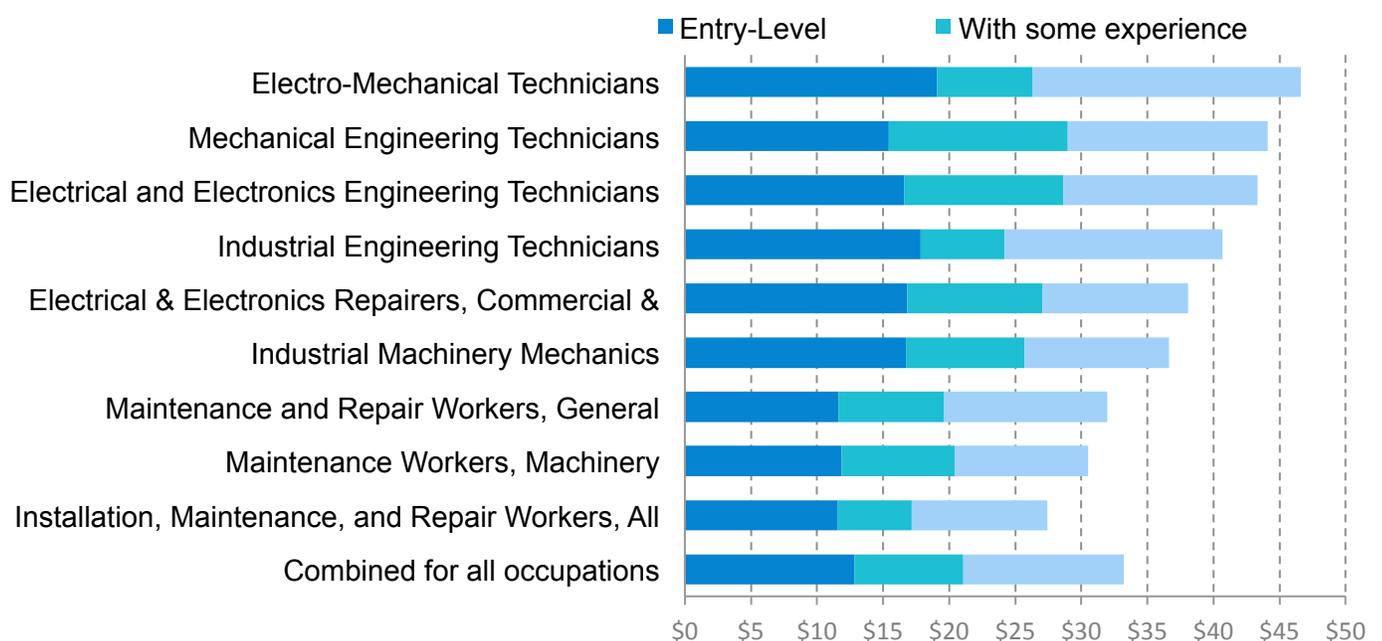
10-year Job Openings



EMPLOYMENT PROJECTIONS FOR OCCUPATIONS RELATED TO SUPPLY CHAIN TECHNICIANS IN NEW JERSEY, 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)	36,652	38,603	9,174	1,951	7,223	5%	20%
Industrial Machinery Mechanics (49-9041)	6,849	7,715	2,954	866	2,088	13%	30%
Installation, Maintenance, and Repair Workers, All Other (49-9099)	5,329	5,712	1,303	383	920	7%	17%
Electrical and Electronics Engineering Technicians (17-3023)	2,938	2,973	704	35	669	1%	23%
Electrical & Electronics Repairers, Comm. & Industrial Equipment (49-2094)	1,736	1,746	408	10	398	1%	23%
Maintenance Workers, Machinery (49-9043)	1,254	1,366	279	112	167	9%	13%
Mechanical Engineering Technicians (17-3027)	815	853	217	38	179	5%	22%
Industrial Engineering Technicians (17-3026)	655	696	183	41	142	6%	22%
Electro-Mechanical Technicians (17-3024)	389	374	83	(15)	83	-4%	21%

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



This data brief was funded by the National Science Foundation's Advanced Technological Education Program under DUE Award #1601452. Any opinions, findings, conclusions or recommendations presented are only those of the presenter, researcher, author or agency employee and do not necessarily reflect the views of the National Science Foundation. Find this and other data briefs at supplychainautomation.com. Data source for employment and wages: EMSI (economicmodeling.com). *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.