

Wages Earned

You have learned that the term “Supply Chain Technician” actually involves jobs across many different industries and may be called different names.

Below are several classifications of job titles that relate to the work of a supply chain technician, wage information as well as a forecast for the number of annual job openings in the United States:

Electro-Mechanical Technicians

Yearly Projected Openings: 429

Typical Hourly Wage: \$16.40 - \$37.12

Typical Annual Salary: \$34,100 - \$77,200

Industrial Machinery Mechanics

Yearly Projected Openings: 17,150

Typical Hourly Wage: \$15.11 - \$34.85

Typical Annual Salary: \$31,400 - \$72,500

Electrical & Electronics Repairers, Commercial & Industrial Equipment

Yearly Projected Openings: 1,850

Typical Hourly Wage: \$16.48 - \$38.70

Typical Annual Salary: \$34,300 - \$80,500

FOR MORE INFORMATION CONTACT:

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National Center for Supply Chain Automation
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WHERE DISCOVERIES BEGIN

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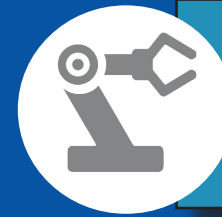
SCT Employers

Supply chain technicians are needed by all employers who practice supply chain principles. In particular, companies who operate warehouse and distribution centers are in need of SCTs. These companies span many industries including retail, manufacturing, automotive, pharmaceutical, food supply, as well as the Department of Defense. In addition, companies that manufacture, install and maintain supply chain equipment need *supply chain technicians*.

The following organizations see the need for trained and competent *Supply Chain Technicians*:

- Amazon (Seattle, WA)
- Daifuku North America (Novi, MI)
- Target (Minneapolis, MN)
- Alien Technology (San Jose, CA)
- Stratum Global (Littleton, CO & Chicago, IL)
- Payless Shoes (Topeka, KS)
- UPS (Atlanta, GA)
- FedEx Ground (Moon, PA)
- Walmart (Bentonville, AR)
- Intelligrated (Mason, OH)
- Nike (Beaverton, OR)
- Converse, Inc. (Boston, MA)
- Toyota (Torrance, CA)
- Cardinal Health (Dublin, OH)
- Dematic (Grand Rapids, MI)
- Dollar Tree (Chesapeake, VA)
- Schneider Logistics (Green Bay, WI)
- Swisslog (Newport News, VA)
- Grenzebach (Newman, GA)
- Amatrol (Jeffersonville, IN)
- FANUC (Rochester Hills, MI)
- Walgreens (Deerfield, IL)
- Home Depot (Atlanta, GA)
- Festo (Hauppauge, NY)
- Elite Line Services (Carrollton, TX)
- Fox IV Technologies (Export, PA)
- Caterpillar Parts Distribution Center (Clayton, OH)
- Proctor & Gamble Distribution Center (Union, OH)
- Manufacturing Skill Standards Council (MSSC) (Alexandria, VA)
- MHI (Charlotte, NC)
- Material Handling Equipment Distributors Associates (MHEDA) (Vernon Hills, IL)
- Warehouse Education & Research Council (WERC) (Oak Brook, IL)

SCA AND YOU!



GET STARTED ON AN EXCITING CAREER!

Welcome to the world of the Supply Chain Technician!

To the Potential Student:

The occupation of Supply Chain Technician is a highly-skilled career that offers interesting work and great pay at some of the country's best employers! This career awareness module was developed to provide you information about the Supply Chain Technician so you can be more informed and have additional options as you investigate various careers. Feel free to explore the various blocks to find out more information. Above all – have fun!

To the Faculty:

If you teach courses in industrial maintenance, advanced manufacturing, mechatronics or other related field, much of the coursework you now teach is applicable to the Supply Chain Technician program of study. Use this career awareness brochure to help introduce your students to an exciting and rewarding career as a Supply Chain Technician (SCT). For a more detailed lesson plan visit the National Center for Supply Chain Automation (SCA) website at www.supplychainautomation.com/career-awareness-lesson-plan.html.



Supply Chain Technician Career Awareness



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WHAT IS SUPPLY CHAIN MANAGEMENT (SCM)?

Supply Chain Management (SCM) has become a fairly common concept throughout most businesses, colleges and universities. The American Product and Inventory Control Society (APICS) defines Supply Chain Management as:

“A lucrative profession in high demand across all industries. SCM professionals engage in each aspect of a product or service: interacting with raw material suppliers, planning production, and the design and distribution of physical goods.” (www.apics.org/stem/careers-in-supply-chain)

Simply put, the supply chain requires managing a network of interconnected businesses involved in the supply of products and services required by the end customers. Supply chain management spans all movement and storage of raw materials, work-in-process inventory, and finished goods from the earliest point of product/service conception to the point it is used by the end customer. The activities included in the supply chain comprise everything from product development, sourcing, production, and logistics, as well as the various information and movement systems needed to coordinate these activities. Some organizations have even considered what happens when their products are no longer usable as part of the supply chain. For example, a computer manufacturer may consider how the product can be recycled after it is no longer needed.

Supply chain management is both a domestic and an international need. In our global economy, supply chain management often includes how to work with companies and individuals located in other countries. This may require an understanding of international politics, trade and tariff laws, and quality control standards. It also includes timing of deliveries, including shipping issues and costs.

WHAT IS SUPPLY CHAIN AUTOMATION (SCA)?

Supply Chain Automation (SCA) includes all of the automated material handling equipment and systems that provide the ability for organizations to operate their supply chains. Technologies included in supply chain automation consist of such devices as optical scanners, Automated Storage and Retrieval Systems (ASRS), programmable logic controllers (PLCs), conveyor systems, sensors and robotics.

These devices are critical to the supply chain and require individuals with specialized training to ensure the success of these technologies. We refer to these individuals as Supply Chain Technicians (SCT). ***So what is a Supply Chain Technician (SCT)?***

The *National Center for Supply Chain Automation (SCA)* defines the 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. (www.supplychainautomation.com)

Foundational skills required by SCTs include electronics, electrical, pneumatics, hydraulics, blueprint reading, mechanics, troubleshooting and other related skills.

You have learned about Supply Chain Management (SCM) so you may wonder: *What is the difference between SCM and SCA?* You can think of Supply Chain Management as the overarching concept that includes all the activities, processes, and activities required to supply an end product or service to the customer. Supply chain automation includes the various technologies that are required by the supply chain to ensure that the products and services can flow from the initial starting point to the customer.

SCT EDUCATION

Like many technology related positions, the *Supply Chain Technician* requires specialized education available at many community and technical colleges.

Most programs are 1-2 years and involve many areas of study such as electronics, pneumatics, hydraulics, scanners and optical sensors, programmable logic controllers, mechanics and blue print reading.



SUPPLY CHAIN TECHNICIAN SKILLS

The *National Center for Supply Chain Automation (SCA)* team has researched, studied, and analyzed various industrial job types and educational programs and determined that several foundational skills are required of the *supply chain technician*.

Foundational Skills

- ◇ Electrical and Electronics
- ◇ Pneumatics
- ◇ Scanners (Optics)
- ◇ Programmable Logic Controllers (PLC)
- ◇ Manual Dexterity
- ◇ Critical Thinking
- ◇ Hydraulics
- ◇ Fundamentals of Mechanics
- ◇ Blueprint (Schematic) Reading
- ◇ Material Handling Flow
- ◇ Safety Standards
- ◇ Problem Solving
- ◇ Oral and Written Communication
- ◇ Ability to Work in Teams

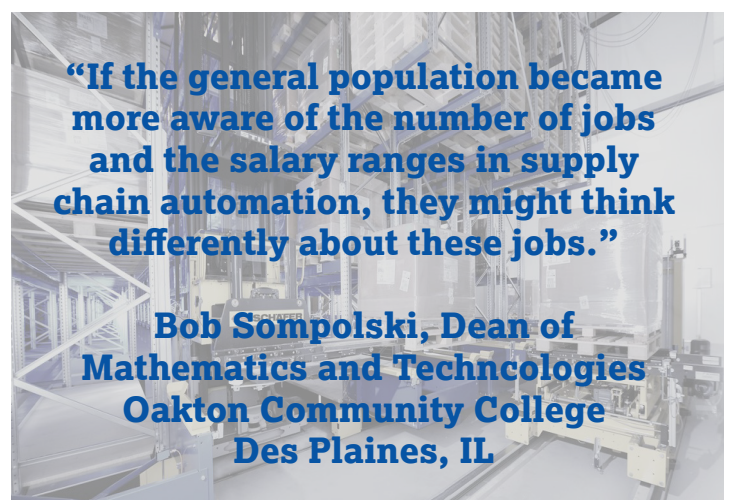
JOB OPPORTUNITIES

As you have discovered, Supply Chain Technicians work in many industries and have many different job titles. Some of the most common job titles for SCTs include:

- Industrial Machinery Mechanic
- Maintenance Technician
- Electro-Mechanical Technician
- Automation Technician

The research the SCA has conducted indicates that there will be as many as **770,000 job openings for SCTs** in the U.S. between 2015 and 2025. Use the link below to access the labor market data reports available on our website.

www.supplychainautomation.com



“If the general population became more aware of the number of jobs and the salary ranges in supply chain automation, they might think differently about these jobs.”

**Bob Sompolski, Dean of Mathematics and Technologies
Oakton Community College
Des Plaines, IL**



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