

# Supply Chain & LOGISTICS

Did you know that the supply chain & logistics sector makes up over one third of California's economy, creating millions of direct and indirect employment opportunities?

## What is Supply Chain & Logistics?

Logistics main focus is the **coordination and movement of goods**, whereas Supply Chain is concerned with the much bigger process of **sourcing, processing, and delivering goods** to the end user or customer.

(One of the early examples of **Supply Chain Management (SCM)** was Ford who implemented SCM to ensure he had the required materials at hand to facilitate their revolutionary assembly line of the Model T!)



The bar code was invented in the sand in Miami beach and based off Morse code. Today, barcodes are used by virtually every industry to track inventory, materials, or shipments.

90% of the World's Commodities are Carried by the International Maritime Industry<sup>3</sup>

### THE LOGISTICS INDUSTRY IS MADE UP OF SIX DIFFERENT SECTORS



1. Road Transport
2. Rail
3. Aviation
4. Maritime
5. Warehousing
6. Storage

Last Mile Delivery is Driving Innovation.



Companies are spending vast amounts of money on drones and autonomous vehicle research.

### New Technologies at Play



Shipping is a trillion dollar industry<sup>6</sup>

# 1,000,000,000,000

## California Freight System Quick Facts

**5,800**

Commercial Miles of High Traffic Volume Interstate & Highways

**11**

Public Deep Sea Ports

**12**

Airports with Major Cargo Operations

**2 Class 1**

Railroads (Biggest In The Nation)

**5,000,000**

Employed

**3**

Existing & 1 Future Land Border Ports with Mexico<sup>1</sup>

### Companies with Supply Chain & Logistics Careers:



- FedEX
- UPS
- Amazon
- AMS Fulfillment
- DHL
- TESLA
- BAE Systems
- Sharp Healthcare
- XPO Logistics
- June Shine
- Northrup Grumman
- Bumble Bee
- General Atomics
- General Dynamics
- Temco Logistics

### amazon

Amazon is now the 4th largest US delivery service and growing.<sup>2</sup>

Amazon has **19 Fulfillment** centers in California alone.

Amazon will have **70 of its own cargo planes** operating by 2021.

Amazon made the largest order of electric delivery vehicles ever, ordering **100,000 Rivians** to be delivered in 2021.

\*California is leading the way in testing autonomous trucking through companies like Embark, TuSimple, Tesla, and Waymo.

### SHIPPING FACTS

2021 will see over **2.14 billion online shoppers**.<sup>4</sup>

**90%** of Fortune 500 companies utilized a third party logistics company.<sup>5</sup>

Trucks make up **63%** of all freight shipping.<sup>7</sup>

In 2020, **The U.S. E-Commerce Market is expected to grow by 20%** – despite a global pandemic!<sup>8</sup>



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## Average Hourly Rates in California for Popular Jobs in the Supply Chain & Logistics Sector



Job Title	Hourly Rate
General/Ops Managers	\$36.68
First Line Supervisor of Transportation & Material Moving Workers	\$24.78
Sales & Sales Managers	\$29.85
First Line Supervisor of Mechanics & Repairers	\$32.82
Buyers & Purchasing Agents	\$25.45
Information & Record Clerks	\$21.23
Warehouse Coordinator	\$17.03
Jr. Buyer	\$26.44
Logistics Coordinator	\$18.07
Logistician	\$35.93
Cost estimators	\$34.66
Buyer	\$34.34
Traffic Coordinator	\$18.12
Production Planning & Expediting Clerk	\$24.73
Logistics Manager	\$58.53
Supply Chain Manager	\$58.12

### Skills

- Attention to Detail
- Trouble Shooting
- Repairing Things
- Observational Skills
- Problem Solving
- Decision Making Under Pressure
- Communication
- Craftsmanship

### Common Skills

Forklift Operation	Sorting and Packaging	Software	Distribution	Supply Chain Knowledge
Data Entry	Hand Truck Operation	Communication	Manufacturing	General Business Skills
Order Entry	Production and Processing	Inventory Maintenance	Resource Planning	Productivity Software
Accounting	Administration and Management	Warehousing	Material Flow	Customer Service
Sales	Accounting	Management Systems	Transportation Management Skills	
Inventory Management		Product	Scheduling	
			Logistics and	

## San Francisco Bay Programs

### College of Alameda

<https://alameda.peralta.edu/partnership-initiative/atlas/>

### Contra Costa College

<https://www.contracosta.edu/classes/academic-departments/-forklift-logistics-operations-warehouse-flow/>

### Los Medanos College

[www.losmedanos.edu](http://www.losmedanos.edu)

### Skyline College

<https://www.skylinecollege.edu/internationaltrade/courses.php>

#### REFERENCES

- <sup>1</sup><https://business.ca.gov/advantages/logistics-and-infrastructure/>
- <sup>2</sup><https://www.digitalcommerce360.com/2020/05/26/amazon-is-the-fourth-largest-us-delivery-service-and-growing-fast/>
- <sup>3</sup><https://www.nfiindustries.com/blog/supply-chain-fast-facts-in-fographic/>
- <sup>4</sup><https://www.statista.com/statistics/251666/number-of-digital-buyers-worldwide/>
- <sup>5</sup><https://www.supplychaindive.com/news/third-party-logistics-3pl-increase-large-companies-2017/443710/>
- <sup>6</sup><https://www.wsj.com/articles/companies-are-spending-more-on-shipping-and-thats-not-changing-soon-1529413500>
- <sup>7</sup><https://www.bts.gov/newsroom/2017-north-american-freight-numbers>
- <sup>8</sup><https://www.hollingsworthllc.com/facts-about-supply-chain-and-logistics-2/>



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