# Supply Chain
# & LOGISTICS

90%

90% of the World's Commodities are Carried by the International Maritime Industry [3]

**BARCODE**

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.

**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 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**

- Drones
- Automated Vehicles*
- Warehouse Robotics
- Augmented Reality Picking
- Integrated Warehouse Management Software

**Shipping** is a trillion dollar industry [6]

# 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 Boarder Ports with Mexico [1]

## 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 the now the **4th largest** US delivery service and growing. [2]

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**. [4]

**90%** of Fortune 500 companies utilized a third party logistics company. [5]

Trucks make up **63%** of all freight shipping. [7]

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

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# Supply Chain & LOGISTICS

## 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
- Data Entry
- Order Entry
- Accounting
- Sales
- Inventory Management

- Sorting and Packaging
- Hand Truck Operation
- Production and Processing
- Administration and Management
- Accounting

- Software
- Communication
- Inventory Maintenance
- Warehousing
- Management Systems
- Product

- Distribution
- Manufacturing Resource Planning
- Material Flow
- Transportation Management Skills
- Scheduling
- Logistics and

- Supply Chain Knowledge
- General Business Skills
- Productivity Software
- Customer Service

## Orange County Programs

### Coastline College

https://www.coastline.edu/programs/management-and-supervision.php#log-supply-chain-mgt

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