

Logistics is the movement of goods or materials and encompasses the entire supply chain. Inventory Management, Material Handling and Packaging are included in the Logistics Program. The Logistics program is four modules of 21 hours each. The total program is 84 hours.

Module 1: Domestic Transportation

- The traffic function
- Modes of transportation (advantages & disadvantages)
- Types of carriage
- Supplier: certification of carriers
- Contracts with carriers
- Negotiations
- Documentation
- Factors influencing rates
- Freight classification – NMFC
- Transportation rates
- Freight bill audits
- Accessorial charges
- Transit time
- Freight handling
- How to handle claims
- Packaging
- Common errors and how to avoid them
- FOB selling terms and freight terms
- Creating a routing guide
- Carrier measurements
- Equipment
- Terms of carriage
- Bill of lading
- National Motor Freight Classification
- Carrier services

Module 2: Import – Export

- Importance of Import – Export
- Third parties involved
- Export
- Total cost of ownership
- Packaging and marks
- Documentation
- Calculating rates for air and ocean
- Transportation modes
- INCOTERMS 2000
- International financing / letters of credit
- Customs duties / Free trade zone
- Free trade zone / Drawbacks
- Human factors
- Country characteristics
- Trading blocs
- Harmonized tariff
- Glossary of international trade terms

Module 3: Warehousing

- Functions of the warehouse
- Trends in warehousing
- Types of warehouses
- Objectives
- Layouts to improve efficiency
- Locator systems
- Auditing inventory records
- Total cost of ownership
- Equipment
- Storage equipment
- Cross dock operations
- Identification systems
- Bar coding
- Numbering systems
- Just-in-time
- Warehouse strategies
- Material handling equipment
- Staffing requirements
- Loss control
- Characteristics of good work
- On time delivery
- Performance reporting
- Space utilization
- Warehouse as a cost center
- Automation
- Preventive maintenance

Module 4: Inventory Management and Material Handling

Objectives

- Independent and dependent demand
- Inventory carrying costs
- Stock outages
- Types of reorder systems
 - Fixed order quantity
 - Economic order quantity
 - Period order quantity
 - Lot-for-lot
- ABC Inventory control
- Auditing inventory
- Physical inventory
- Cycle counting
- Basic accounting
- Inventory turns

Packaging

- Definition
- Role in distribution
- History
- Damages
- Alternative packaging
- Unit load devices
- Labels and markings
- Introduction to hazardous materials
- Environmental issues

Material handling

- Definition
- Function of Material handling
- Rules for equipment use
- Types of equipment
- Used equipment
- Specification of equipment
- Conveyor systems
- Rack and shelving
- Loading dock equipment
- Bar coding
- RF systems
- Automated picking systems
- Warehouse and dock safety
- Preventive maintenance
- Truck loading
- 3PL
- forklift safety

*** You will be awarded UTPA Certificates after each module**
*You will be awarded UTPA wooden Plaque after completing 4 modules