Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics career cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes transportation infrastructure planning and management, logistics services, and mobile equipment and facility maintenance. This career cluster includes occupations ranging from automotive mechanic, avionics technician, and automotive entrepreneur to pilots and logistics planning professionals.

Statewide Program of Study: Distribution, Logistics, and Warehousing

The Distribution, Logistics and Warehousing program of study focuses on educational and occupational opportunities associated with business planning and management aspects of distribution, logistics and warehousing. This program of study includes exploration of the history, laws, regulations, and common practices used in the logistics of warehousing and distribution systems.

Secondary Courses for High School Credit

Level 1	• Principles of Transportation Systems • Principles of Distribution and Logistics
Level 2	• Concepts of Distribution and Logistics Technology • Management of Transportation Systems • Raster Based Geographic Information Systems • Occupational Safety and Environmental Technology I
Level 3	• Distribution and Logistics • Logistics Engineering • Advanced Transportation Systems + Advanced Transportation Systems Laboratory (TBD)
Level 4	• Practicum in Transportation Systems • Practicum in Transportation Systems + Extended Practicum in Transportation Systems • Practicum in Distribution and Logistics • Practicum in Distribution and Logistics + Extended Practicum in Distribution and Logistics • Career Preparation for Programs of Study • Career Preparation for Programs of Study + Extended Career Preparation

Aligned Advanced Academic Courses

Dual Credit	Dual credit offerings will vary by local education agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern at a fulfillment center to learn about planning and distribution of goods • Shadow an operations manager at a local company's warehouse to learn about the people and technology resources necessary to implement an operations plan
Expanded Learning Opportunities	• Attend transportation, distribution and logistics expos • Join the Transportation Association, Supply Chain Association, or Freight Forwarder and attend events with students

Aligned Industry-Based Certifications

- Industrial Technology Maintenance (ITM) - Process Control Systems
- Certified Logistics Technician (CLT)

Successful completion of the Distribution, Logistics, and Warehousing program of study will fulfill requirements of the Business and Industry endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Motor Transport Operator Apprenticeship

Associate Degrees
- Logistics, Materials, and Supply Chain Management
- Transportation and Mobility Management

Bachelor's Degrees
- Transportation and Mobility Management
- Logistics and Supply Chain Management

Master's, Doctoral, and Professional Degrees
- Supply Chain Management
- Transportation and Mobility Management

Additional Stackable IBCs/License
- Commercial Driver's License
- Certified Supply Chain Professional

Example Aligned Occupations

Shipping, Receiving, and Inventory Clerks
Median Wage: $36,363
Annual Openings: 7,293
10-Year Growth: 7%

Production, Planning, and Expediting Clerks
Median Wage: $48,887
Annual Openings: 4,415
10-Year Growth: 21%

Transportation, Storage, and Distribution Managers
Median Wage: $97,989
Annual Openings: 1,377
10-Year Growth: 22%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources

Distribution, Logistics, and Warehousing

Transportation, Distribution, and Logistics Career Cluster

Statewide Program of Study: Distribution, Logistics, and Warehousing

Course Information

Level 1

Course	Prerequisites | Corequisites	Career Clusters
Principles of Transportation Systems* 13039250 (1 credit)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** None **Recommended Corequisites:** None	
Principles of Distribution and Logistics* 13039260 (1 credit)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** None **Recommended Corequisites:** None	

Level 2

Course	Prerequisites | Corequisites	Career Clusters
Concepts of Distribution and Logistics Technology N1303800 (1 credit)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** None **Recommended Corequisites:** None	
Management of Transportation Systems 13040200 (1 credit)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** Principles of Transportation Systems **Recommended Corequisites:** None	
Raster Based Geographic Information Systems N1302806 (1 credit)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** Geographic Information Systems **Recommended Corequisites:** None	
Occupational Safety and Environmental Technology I N1303680 (1 credit)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** Principles of Transportation Systems, Principles of Distribution and Logistics, or Principles of Manufacturing **Recommended Corequisites:** None	

Level 3

Course	Prerequisites | Corequisites	Career Clusters
Distribution and Logistics 13040300 (1 credit)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** Principles of Distribution and Logistics **Recommended Corequisites:** None	

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** Indicates course is included in more than one program of study.*

For additional information on the **Transportation, Distribution, and Logistics** career cluster, contact cte@tea.texas.gov or visit https://tea.texas.gov/cte

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Transportation, Distribution, and Logistics Career Cluster

Statewide Program of Study: Distribution, Logistics, and Warehousing

Course Information

Level 3

Course	Prerequisites | Corequisites	Career Clusters
Logistics Engineering N1303801 (1 credit)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** Principles of Distribution and Logistics and Distribution and Logistics **Recommended Corequisites:** None	
Advanced Transportation Systems + Advanced Transportation Systems Laboratory* TBD (TBD credit)	**Prerequisites:** TBD **Corequisites:** TBD **Recommended Prerequisites:** TBD **Recommended Corequisites:** TBD	

Level 4

Course	Prerequisites | Corequisites	Career Clusters
Practicum in Transportation Systems* First Time Taken: 13040450 (2 credits) Second Time Taken: 13040460 (2 credits)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** None **Recommended Corequisites:** None	
Practicum in Transportation Systems + Extended Practicum in Transportation Systems* First Time Taken: 13040455 (3 credits) Second Time Taken: 13040465 (3 credits)	**Prerequisites:** None **Corequisites:** Practicum in Transportation Systems **Recommended Prerequisites:** None **Recommended Corequisites:** None	
Practicum in Distribution and Logistics* First Time Taken: 13040470 (2 credits) Second Time Taken: 13040480 (2 credits)	**Prerequisites:** None **Corequisites:** None **Recommended Prerequisites:** None **Recommended Corequisites:** None	

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Transportation, Distribution, and Logistics Career Cluster

Statewide Program of Study: Distribution, Logistics, and Warehousing

Course Information

Level 4

Course	Prerequisites | Corequisites	Career Clusters
Practicum in Distribution and Logistics + Extended Practicum in Distribution and Logistics* First Time Taken: 13040475 (3 credits) Second Time Taken: 13040485 (3 credits)	**Prerequisites:** None **Corequisites:** Practicum in Distribution and Logistics **Recommended Prerequisites:** None **Recommended Corequisites:** None	
Career Preparation for Programs of Study* First Time Taken: 12701121 (2 credits)	**Prerequisites:** At least one Level 2 or higher CTE course **Corequisites:** None **Recommended Prerequisites:** None **Recommended Corequisites:** None	
Career Preparation for Programs of Study + Extended Career Preparation* First Time Taken: 12701141 (3 credits)	**Prerequisites:** At least one Level 2 or higher CTE course **Corequisites:** None **Recommended Prerequisites:** None **Recommended Corequisites:** None	

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