

# CURRICULUM OVERVIEW

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## Careers in Logistics Planning and Management Services

Career and Technical Education Series



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## Careers in Logistics Planning and Management Services Course Overview

This course discusses careers in Logistics Planning and Management Services and provides students with the history of logistics and recent advances in the field. Logistics is a high-growth industry and is a stable career choice. There is something for every career-seeker, ability, and experience level. The objective of this course is to introduce the student to the field of logistics planning and management and to explain the career opportunities that are available in this field.

- **Providing and Managing Logistics Services for the Company and the Customer:** Students will learn the history of logistics and how societies and economic development depend on the ability to transport products. They will also study how logistics organizes the information, people, goods, transportation methods, and distribution channels in an integrated manner.
- **Logistics and Supply Chain Management:** Students will learn that logistics strives to ship goods safely through modern packaging methods, and the many ways to protect the goods while keeping the costs low. They will also explore the ways that sustainable trends in logistics are growing to provide safe packaging and handling procedures.
- **Inventory and Inventory Management:** Students will learn about managing inventory and the decisions made to ensure the goods and materials flow through the logistics channels and supply chain properly. They will also discover how companies build working relationships with one another, so they may work toward the common goal of maintaining profitability.
- **Transportation Management:** Students will gain an understanding of the modes of transportation to transport people across town or across the country, and to transport goods from one country to another, or into space. They will also learn that documentation is necessary to identify goods, enable tracking, indicate where the goods are from, and where they are being shipped.
- **Logistics Safety & Opportunity:** This unit explores OSHA's role in the workplace, employees' rights and responsibilities, in addition to employers' rights and responsibilities. Students will also learn about themselves through the process of evaluating their abilities, aptitudes, interests, and values, and making choices for long-term career goals.

Unit 1: Providing and Managing Logistics Services for the Company and the Customer	
Assignments	
1. Course Overview	9. Project: Goods and Their Origins
2. The Role of Transportation, Distribution, and Logistics in Society and the Economy	10. The Challenges of Transporting Goods
3. Project: From Origin to Consumer	11. Making Logistics Easier with Technology
4. Current Trends in Logistics	12. Project: Process Improvement
5. You Are the Future of Logistics	13. Quiz 2: Logistics and the Supply Chain
6. Project: Making Goals	14. Special Project*
7. Quiz 1: Transportation, Distribution, and Logistics - Then and Now!	15. Test
8. Logistics Management and the Supply Chain	16. Course Project Part 1: Distribution Facility Project*
	17. Glossary and Credits

### Unit 2: Logistics and Supply Chain Management

#### Assignments

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|--|--|
| 1. Material Handling: Packaging          | 9. Distribution is the Center of Activity Within   |
| 2. Project: Consumer Goodies             | 10. Project: Where Did You Get That?               |
| 3. Material Handling: Unitization        | 11. Pricing  |
| 4. Material Handling: Weights & Measures | 12. Quiz 2: Warehousing, Distribution, and Pricing |
| 5. Project: The Space Shuttle Endeavor   | 13. Special Project*                               |
| 6. Quiz 1: Material Handling             | 14. Test   |
| 7. Warehousing                           | 15. Course Project Part 2: Innovation*             |
| 8. Project: Kansas City Smart Port       | 16. Glossary and Credits                           |

### Unit 3: Inventory and Inventory Management

#### Assignments

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|---|--|
| 1. Inventory                              | 9. Managing Procurement and Purchasing         |
| 2. Project: Taking Stock (Part 1)         | 10. Project: Business Culture                  |
| 3. Inventory Management                   | 11. Optimizing Procurement Practices           |
| 4. Project: Taking Stock (Part 2)         | 12. Quiz 2: Procurement and Purchasing         |
| 5. Inventory Accounting                   | 13. Special Project*                           |
| 6. Quiz 1: Inventory Management           | 14. Test                                       |
| 7. Procurement and Purchasing             | 15. Course Project Part 3: Inventory Controls* |
| 8. Project: Colgate's Procurement Process | 16. Glossary and Credits                       |

### Unit 4: Transportation Management

#### Assignments

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|---|---|
| 1. Modes of Transportation                              | 9. Regulating Risk                                  |
| 2. Project: Mode to Go                                  | 10. Project: Emergency Response                     |
| 3. Documentation  | 11. Insuring Risk                                   |
| 4. Project: Importing & Exporting                       | 12. Quiz 2: Risk Management                         |
| 5. Liability  | 13. Special Project*                                |
| 6. Quiz 1: Transportation, Documentation, and Liability | 14. Test  |
| 7. Managing Transportation Risk                         | 15. Course Project Part 4: Modes of Transportation* |
| 8. Project: Risk Management                             | 16. Glossary and Credits                            |

### Unit 5: Logistics Safety & Opportunity

#### Assignments

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|-----------------------------------|--|
| 1. OSHA Rights & Responsibilities | 9. Available Careers                                 |
| 2. Project: OSHA's Forms          | 10. Project: Creating a Resume                       |
| 3. Safety First                   | 11. Career Credentials                               |
| 4. Project: Hazardous Materials   | 12. Quiz 2: You are the Future of Logistics!         |
| 5. Working & Safety               | 13. Special Project*                                 |
| 6. Quiz 1: Safety First           | 14. Test   |
| 7. Career Goals                   | 15. Course Project Part 5: Preparation & Prevention* |
| 8. Project: Personality Traits    | 16. Glossary and Credits                             |

### Unit 6: Course Project, Review, and Exam

#### Assignments

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|--|---------|
| 1. Course Project Part 6: Preparing Your Proposal* | 3. Exam |
| 2. Review  |         |

(\*) Indicates alternative assignment