



# Warehousing and Distribution Center Operations

**Career Goal (O\*NET Code):** Industrial Engineer (17-2112), Traffic/Shipping/Receiving Clerk (43-5071), Clerks (43-5071), First-line Supervisor/Manager (43-1011), Storage & Distribution Manager (11-3071), Packer and Packager, Hand (53-7064).

**Cluster Overview :** The Transportation, Distribution, and Logistics Cluster focuses on careers in the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

## SUGGESTED COURSEWORK

## EXTENDED LEARNING EXPERIENCES

<b>High School</b>	<b>9th</b>	<b>Core Courses:</b>	English I Algebra I Biology	World Geography Languages other than English I Health/PE or Equivalent	<b>Curricular Experiences:</b> Business Professionals of America Community Service Organizations SkillsUSA TSA	<b>Extracurricular Experiences:</b> Student Council
		<b>Career-Related Electives:</b>	Introduction to Transportation Service Careers			
	<b>10th</b>	<b>Core Courses:</b>	English II Geometry Chemistry	World History Languages other than English II Technology Applications		
		<b>Career-Related Electives:</b>	Technology Systems (Modular Based Lab)** or Introduction to Business or Record Keeping			
	<b>11th</b>	<b>Core Courses:</b>	English III Algebra II Physics	United States History Communication Applications PE or Equivalent		
<b>Career-Related Electives:</b>		Business Communications or International Business or Accounting I or Career Preparation*				
<b>12th</b>	<b>Core Courses:</b>	English IV Precalculus Environmental Science	Government/Economics Fine Arts			
	<b>Career-Related Electives:</b>	Career Preparation* or Accounting II or Business Management or Business Ownership or Business Law				
<b>On-the-Job Training</b>		Clerk/Office Assistant Loaders Material Movers	Packers Shippers		<b>Professional Associations:</b> Warehousing and Educational Research Council International Association of Refrigerated Warehouses APICS - The Educational Society for Resource Management Council of Supply Chain Management Professionals Institute of Industrial Engineers International Warehouse Logistics Association Material Handling Equipment Distributors Association Material Handling Industry of America Material Handling Institute National Association of Wholesaler-Distributors	
	<b>Certificates</b>	OSHA CareerSafe  NOTE: These experiences may be started and/or completed as part of the high school experience.		<b>Career Options:</b> Traffic, Shipping, Receiving Clerk Production, Planning, Expediting Clerk		Vehicle Operator Storage and Distribution Manager First-line Supervisor/Manager Warehouse Manager
<b>Postsecondary</b>	<b>Associate's Degrees</b>	15 hours General Education Core			<b>Career Options:</b> First-Line Supervisors/Manager Storage and Distribution Manager	<b>Certificates, Licenses &amp; Credentials</b> Industry specific
		<b>Cluster Foundation</b>				
		Business Computer Applications (BCIS 1X05) <b>OR</b> Micro-Computer Applications (COSC 1X01) <b>OR</b> Introduction to Computers (ITSC 1X01)				
		OSHA Regulations General Industry (OSHT 2X01) <b>OR</b> Introduction to Safety and Health (OSHT 1X01)				
		Principles of Management (BMGT 1X03) <b>OR</b> Supervision (BMGT 1X01) <b>OR</b> Problem Solving and Decision-Making (BMGT 1X03)				
Human Relations (HRPO 1X11) <b>OR</b> Communication Skills for Managers (BMGT 1X45) <b>OR</b> Customer Relations (MRKG 1X01)						
Introduction to Accounting I (ACCT 2X01 <b>OR</b> ACNT 1X03)						
Introduction to Business Logistics (LMGT 1X19) <b>OR</b> Logistics (INMT 1X36)						
Introduction to Materials Handling (LMGT 1X21)			Business Ethics (BMGT 1X41)			
Warehouse and Distribution Management (LMGT 1X25)						
Practicum <b>OR</b> Internship (BMGT <b>OR</b> LMGT)						
Information and Project Management (BMGT 1X09)						
Quality Assurance and Quality Control (EPCT 1X51)						
<b>POS Specific Courses</b>						
Freight Loss and Damage Claim (LMGT 1X41)			Purchasing (BMGT 1X23)			
DOT Regulations- HAZMAT (EPCT 2X00)			Principles of Imports (IBUS 1X02)			
Economics of Transportation and Distribution (LMGT 1X45)			Principles of Exports (IBUS 1X01)			
Federal Motor Carrier Safety Regulations (CVOP 2X01)			Import Customs Regulations (IBUS 2X45)			
<b>Bachelor's Degrees</b>	Accounting	Communications		<b>Career Options:</b> Corporate Trainer First-line Supervisor/Manager	Storage and Distribution Manager Warehouse Manager	
	Business Management	Industrial Engineering				
	Business Statistics	International Business				
<b>Graduate Degrees</b>	Accounting	Industrial Engineering		<b>Career Options:</b> Industrial Engineer Industrial Engineering Analyst	Industrial Engineering Consultant Instructor/Professor International Shipping/Receiving	
	Business Management	International Business				
	Business Statistics					

\*May substitute for the required credit for Physical Education  
\*\*Satisfies the required credit for Technology Applications  
\*\*\*May substitute for the required credit for Health Education

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses, if possible.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2007.  
All plans should meet high school graduation requirements as well as college entrance requirements.  
Students may select other elective courses for personal enrichment purposes.