



Name _____
 Learner ID _____
 School/College/University _____

SHS PLAN OF STUDY

Transportation, Distribution and Logistics

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Transportation, Distribution and Logistics Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

EDUCATION LEVELS GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/ or Degree Major Courses for Transportation, Distribution and Logistics	Other Electives	SAMPLE Occupations Relating to This Career Cluster	
	Arts								
Interest Inventory Administered and Plan of Study Initiated for all Learners									
SECONDARY	9	English I	Algebra I, Pt. 1, Algebra I Geometry	Physical Science	OK. History US Government	1 unit of Fine Arts, 2 units of Foreign Language or 2 units of Computer Technology	Technology Education Agriculture I	Band, Orchestra, Art, Speech & Drama, Choir, Careers, PE, Computer Technology, Family & Consumer Science	<ul style="list-style-type: none"> ► Airplane Pilot/Co-Pilot ► Air Traffic Controller ► Avionics Technician ► Cargo and Freight Agent ► Customs Inspector ► Environmental Manager ► Facility Engineer ► Industrial Equipment Mechanic ► Industrial and Packaging Engineer ► International Logistics Specialist ► Locomotive Engineer ► Marine Captain ► Port Manager ► Safety Analyst ► Storage and Distribution Manager ► Transportation Manager ► Truck Driver ► Urban and Regional Planner ► Warehouse Manager
	10	English II	Alg. 1, Pt. 2, Alg. I Geometry, Alg. II	Biology	World History		Agriculture II, Ag Power & Technology I, Ag Power & Technology II	Computer Applications, Microsoft Office Microsoft Excel Marketing Fundamentals	
	11	English III	Geometry, Algebra II, Alg. III or Trig/Pre-Calc., or AP Statistics and/or AP Calculus	Chemistry or EnvironmentalSci., and/or other lab sciences.	American History		Technology Center Collision Repair Technology Automotive Technology Pre--Engineering	Business Mgt. & Supervision Business Finance	
	12	English IV	Algebra II, Alg. III or Trig/Pre-Calc, and/or Ap Statistics., and/or AP Calculus						
Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.									
POSTSECONDARY	Technology Center			Community College			Colleg/University		
	Auto Collision Auto Service Technology Aviation Maintenance Technology Diesel Service Technology Heavy Equipment6 Repair Marine Service Technology Motorcycle Mechanics Truck Driver Training			Automotive collision Repair Automotive Service Pro-Tech Heavy Equipment & Vehicle Institute Automotive Technology Aviation Maintenance Technology Business Logistics Purchasing & Materials Management Warehouse Management			Aviation Science Engineering Mechanical Engineering Aerospace Engineering Mechanical Engineering Technology		

SAMPLE

Transportation, Distribution and Logistics Course Descriptions

(Course content may be taught as concepts within other courses.)

#1

Introduction to the Transportation, Distribution and Logistics Industry: Students will be introduced to the broad array of occupations in the Transportation, Distribution and Logistics Career Cluster by exploring these careers and examining how they match their personal interests and aptitudes. Students will develop personal career plans, practice leadership and teamwork skills, and complete steps to prepare for employment application, interview and employment. Participation in student activities will reinforce these cluster knowledge and skills. This may be taught as a career exploration course in conjunction with other foundation Career Cluster courses.

#2

Information Technology Applications: Students will practice ethical use of technology tools to manage personal schedules and contact information, create memos and notes, prepare simple reports and other business communications, manage computer operations and file storage, and use electronic mail and Internet applications to communicate, search for and access information.

#3

Health Safety and Security in the Transportation Industry: Sstudents will study the major regulatory areas of transportation, distribution and logistics (TDL) as well as related government laws and regulations including hazardous materials management. Students will explain how TDL organizations can promote improved health, safety and environmental performance and demonstrate personal commitment to personnel policies and procedures.

#4

Transportation, Distribution and Logistics Systems: This course focuses on the role and major functions of a TDL organization. Students will learn the major measures used by a TDL organization to manage and improve performance, including cost performance and efficiency; explain the impact of economic, social, and technological changes on a TDL organization; and explain the role of risk management in reducing risk and improving performance. Students will develop skills for managing customer relationships, developing and managing plans and budgets, and developing plans to improve organizational performance.

#5

Technological Systems: Students will study the role and function of necessary transportation-related technological systems, will learn the importance of measuring and managing the reliability and performance of technological systems, evaluate and select technological systems as well as recommend the best systems in terms of utilization and performance. Students will have hands-on experience using equipment and machines used to control electromechanical devices as well as geographic information systems software. Workplace learning experiences will be included.

#6

Ethics and Legal Issues: Students will demonstrate awareness of legal responsibilities for different roles and functions within organizations, recognize differences in ethical and legal responsibilities, apply ethical reasoning to different workplace situations, and identify different strategies for responding to unethical or illegal actions of individuals and organizations.

SAMPLE