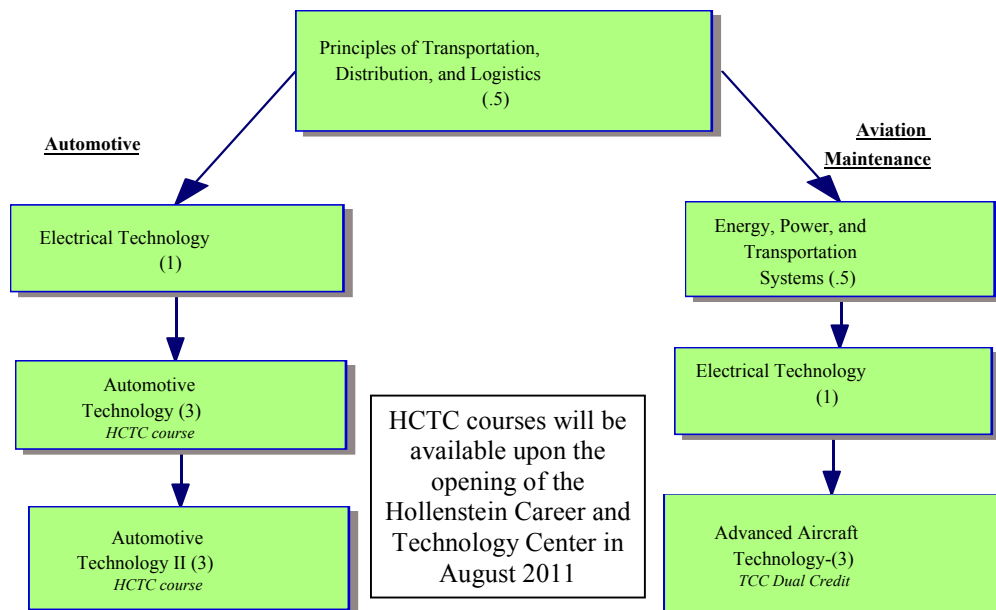




The Transportation, Distribution, and Logistics pathway encompasses careers in the planning, management, and movement of people, materials, and goods by all modes of transportation as well as technical support services such as infrastructure, logistics, and maintenance. Skills USA will allow students working on this pathway to participate in various competitions related to their field of study. Upon completion of the Transportation, Distribution, and Logistics pathway student may receive their ASE Automotive Technician, ASE General Service Technician, and OSHA certifications.

Suggested Four Year Plan

High School Plan	Grade	English/ Language Arts	Math	Science	Social Studies	Suggested Courses (* indicates graduation requirement)	Sample Occupations Relating to This Career Cluster
	9	English I	Algebra I	Biology	World Geography	Principles of Transportation, Distribution, & Logistics Communication Applications* Fine Art* Foreign Language I*	<ul style="list-style-type: none"> Repairer/Mechanic Automotive Specialty Technician Master Mechanic Industrial Electrician Aircraft Maintenance Aerospace Engineer
	10	English II	Geometry	Chemistry	World History	Electrical Technology <u>or</u> Energy, Power, and Transportation Systems P.E. <u>or</u> Equivalent* Foreign Language II*	
	11	English III	Algebra II or Math Models	Physics	U.S. History	Automotive Technology (HCTC) <u>or</u> Electrical Technology	Extracurricular Activities <ul style="list-style-type: none"> Skills USA
	12	English IV	Algebra II (If Math Models in Grade 11) <u>or</u> Other State Approved Math Course	State Approved Science Course	U.S. Government and Economics	Automotive Technology II (HCTC) <u>or</u> Advanced Aircraft Technology (TCC Dual Credit)	



Career and Technical Education: Transportation Distribution and Logistics

Course Name	Credits	Grade Levels	Prerequisites
Principles of Transportation, Distribution, and Logistics	.5	9-12	None
Energy, Power, and Transportation	.5	9-12	Principles of Transportation, Distribution, and Logistics <i>or</i> Technology Systems
Advanced Aircraft Technology/Aircraft Mechanic (Dual Credit)	3	12	Specific Admission Requirements— District Approval and Completion of Application Process, own transportation to TCC Northwest Campus
MORE COMING SOON... 2011-2012			MORE COMING SOON... 2011-2012

Principles of Transportation, Distribution, and Logistics

PEIMS: 13039200

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Students will understand the interaction between various vehicle systems, the logistics used to move goods services to consumers, and the components of transportation infrastructure. Performance requirements will include academic and technical skills.

Energy, Power, and Transportation Systems

PEIMS: 13039300

Grade Placement: 9-12

Prerequisite: Principles of Transportation, Distribution, and Logistics *or* Technology Systems

Credit: .5

Students will gain an understanding of the interaction between various vehicle systems, the logistics used to move goods and services to consumers, and the components of transportation infrastructure. Skills and knowledge covered will include major components of different types of vehicles, maintenance, reading and interpreting schematic drawings and user-manuals, and performing precision measurements for diagnostics.

Advanced Aircraft Technology

PEIMS: 13039500

Grade Placement: 12

Prerequisite: District Approval *and* Completion of Application Process. Must provide own transportation to Tarrant County College Northwest Campus.

Credit: 3

Instruction is designed to provide job-specific training for entry-level employment in the highly technical career field of aircraft mechanic. Instruction includes aircraft electrical and electronic systems, service and repair of hydraulic systems, engines, airframes, and rigging. This is a dual credit course offered at the Tarrant County College Northwest campus. Successful completion of both semesters will result in the awarding of 12 hours of college credit.

The following courses will be available upon the opening of the HCTC in 2011-2012

Automotive Technology

PEIMS: 13039600

Grade Placement: 11-12

Prerequisite: Electrical Technology *or*
Electricity/Electronics

Credit: 3

Automotive services include knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. Students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems.

Automotive Technology II

(Advanced Automotive Technology)

PEIMS: 13039700

Grade Placement: 12

Prerequisite: Automotive Technology

Credit: 3

Automotive services include advanced knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. Students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems.