

CAREER PROGRAMS IN TECHNOLOGY AND ENGINEERING EDUCATION

CAREER CLUSTER	Transportation, Distribution, and Logistics	Transportation, Distribution, and Logistics	Transportation, Distribution, and Logistics	Transportation, Distribution, and Logistics	Transportation, Distribution, and Logistics					
CIP CODE	47.0603	47.0604	47.0606	47.0608	49.0102					
PROGRAM TITLE	Autobody/Collision and Repair Technology/ Technician	Automobile/ Automotive Mechanics Technology/ Technician	Small Engine Mechanics and Repair Technology/ Technician	Aircraft Powerplant Technology/ Technician	Airline/Commercial/Professional Pilot and Flight Crew					
GROUP 1: FOUNDATIONAL COURSES 1 (Minimum Selection: 1)										
FOUNDATIONAL COURSES	Production Technology	Production Technology	Production Technology	Production Technology	Production Technology					
	Communication Technology	Communication Technology	Communication Technology	Communication Technology	Communication Technology					
	Energy Utilization Technology	Energy Utilization Technology	Energy Utilization Technology	Energy Utilization Technology	Energy Utilization Technology					
	Introduction to Technology and Engineering (Industrial)	Introduction to Technology and Engineering (Industrial)	Introduction to Technology and Engineering (Industrial)	Introduction to Technology and Engineering (Industrial)	Introduction to Technology and Engineering (Industrial)					
	Transportation Technology	Transportation Technology	Transportation Technology	Transportation Technology	Transportation Technology					
		Foundations of Technology	Foundations of Technology							
		Beginning Automotive Services								
GROUP 2: SKILL COURSES (Minimum Selection 1)										
SKILL COURSES	Auto-Body I	Automotive Technician I	Small Engine Repair I	Aircraft Technician I	Aviation/Pilot I					
	Auto-Body II	Automotive Technician II	Small Engine Repair II	Aircraft Technician II	Aviation/Pilot II					
		Diesel Mechanics								
GROUP 3: ADDITIONAL PROGRAM COURSES										
ADDITIONAL PROGRAM COURSES	Cooperative Education	Cooperative Education	Cooperative Education	Cooperative Education	Cooperative Education					
		Small Engine Repair 1								
		Small Engine Repair 2								

A quality program delivers all required elements* and a variety of additional elements. CTE program elements include: a sequence of courses* each educational entity offering approved courses provides assurance that the course content includes at a minimum the state course description*, (State course descriptions are available at http://www.isbe.net/career/html/cte_industrial_ed.htm), meets the state's minimum requirements for course offerings by program contain a minimum of two (2) credits of instruction*, curriculum aligned to state recognized learning standards and industry standards, career pathway guidance, resources to support program/course delivery (licensed and qualified staff, appropriate facilities, adequate equipment, instructional materials, work-based learning experiences, special populations support services, active affiliated SkillsUSA and/or TSA chapter), articulation/dual credit agreements, documentation of state agency certification or licensing requirements for occupations regulated by law or licensure, and content which prepare students for reflective of current labor and opportunity for cooperative education as a structured capstone course. Foundational courses are suggested to be taught at the 9th and 10th grade levels. Skill level courses are suggested to be taught at the 10th – 12th grade levels.

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