



COURSES

GRADE 9
Introduction to Transportation Technology (.5 cr Spring)
Principles of Transportation Systems (.5 cr Spring)
Level 1

GRADE 10
Principles of Transport. Systems (.5 cr Fall)
Diesel Equipment Technology I (Fall/Spring)
Diesel Equipment Technology II (1 cr Spr)
Level 2

GRADE 11
Occupational Safety & Environ Tech I (Fall)
Diesel Equipment Technology II(1 cr Fall)
Practicum in Transportation Systems (1 cr Spring)
Welding I (1 cr Spring)
Level 3

GRADE 12
Practicum in Transportation Systems (1 cr Fall)
Career Preparation I (Fall/Spring)
Level 4

POSTSECONDARY OPTIONS: STC Diesel Certificate

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
ASE Medium/Heavy Truck Technician, Brakes (T4)	Engine Machinist Technician	Diesel Mechanics Technology/Technician		
ASE Medium/Heavy Truck Technician, Diesel Engines (T2)	Light Vehicle Diesel Engines	Medium/Heavy Vehicle and Truck Technology/Technician		
ASE Medium/Heavy Truck Technician, Drive Train (T3) - Professional	Transit Bus Technician	Heavy Equipment Maintenance Technology/Technician		
ASE Medium/ Heavy Truck Technician, Electrical/Electronic Systems (T6)	Fluid Power Mechanic			

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Bus and Truck Mechanics and Diesel Engine Specialists	\$44,574	3,150	21%
Mobile Heavy Equipment Mechanics, Except Engines	\$47,299	1,627	16%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate in SkillsUSA

Work Based Learning Activities:
Volunteer or work part-time for a repair shop that works on engines

The Diesel and Heavy Equipment program of study teaches students to diagnose, repair, modify, or redo mechanical and hydraulic equipment on crane, bulldozer, grader, conveyor, construction equipment, bus, and truck diesel engines. The Transportation, Distribution, and Logistics Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air



It is the policy of Weslaco ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Successful completion of the Diesel & Heavy Equipment program of study will fulfill requirements of the Business & Industry Endorsement. Approved Statewide Program of Study - Sept 2019- Modified by Weslaco ISD Career & Tech Ed



COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	GRADE
Introduction to Transportation Technology	13039270 (.5 credit)	None	9-10
Principles of Transportation Systems	13039250 (1 credit)	None	9-12
Diesel Equipment Technology I	13040150 (2 credits)	None	9-12
Occupational and Safety Environmental Technology I	N1303680 (1 credit)	None	9-12
Practicum in Entrepreneurship	TBD	TBD	TBD
Diesel Equipment Technology II/Lab	13040160 (2 credits) 13040170 (3 credits)	PREQ: Diesel Equipment Technology I	10-12
Practicum in Transportation Systems	13040450 (2 credits) 13040455 (3 credits) 13040460 (2 credits) 13040465 (3 credits)	None	11-12
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12

**FOR ADDITIONAL INFORMATION ON THE TRANSPORTATION, DISTRIBUTION,
AND LOGISTICS CAREER CLUSTER, PLEASE CONTACT:**

Kevin Johnson | Kevin.Johnson@tea.texas.gov

<https://tea.texas.gov/cte>