



Facility and Mobile Equipment Maintenance



Course Overview: 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.

Career Goal (O*NET Code): **Mechanic** (Automotive Service, Automotive Body, Rail Car, Ship/Motorboat, Aircraft/Airframe, Electronics) (49-3023), Automotive Specialty Technician (Bus, Truck, Diesel, Bicycle, Glass, Tire) (49-3023), Facility Maintenance Manager (49-1011).

Student's Name: _____ **Date:** _____

School: Mabank High School **Grade:** 9th 10th 11th 12th AR

Primary Endorsement: Business & Industry **Additional Endorsements:** Arts & Humanities Multidisciplinary
 Public Service STEM

Parent's Signature: _____ **Student's Signature** _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:	Algebra I Art I Health	Spanish I Touch Systems Data Entry	Curricular Experiences: SkillsUSA Career Learning Experiences: Career Preparation Internship Job Shadowing	Extracurricular Experiences: Ford/AAA Student Auto Skills Competition Language Immersion Programs Manufacturer Specific Programs School Newspaper Student Government UIL Academic Competitions Yearbook Service Learning Experiences: Campus Service Organizations Community Service Volunteer Habitat for Humanity Peer Mentoring / Peer Tutoring
High School	9th	Core Courses:	English I Algebra I or Geometry Biology	World Geography Languages other than English I Physical Education		
		Career-Related Electives:	Principles of Transportation or Distribution and Logistics			
	10th	Core Courses:	English II Geometry or Alg II IPC or Chemistry	World History Languages other than English II		
		Career-Related Electives:	Energy, Power and Transportation Systems			
	11th	Core Courses:	English III Algebra II, Math Models Physics	United States History Languages other than English III		
Career-Related Electives:		Collision Repair & Refinishing				
12th	Core Courses:	English IV Alg II, Pre-Calculus or Math Elective Science Elective	Government/Economics Fine Arts Languages other than English IV			
	Career-Related Electives:	Paint & Refinishing Stats & Business Decision Making				
Postsecondary	Practicum and/or Work-Based Experiences	Auto Mechanic	Auto Diesel Mechanic	Transmission Repair Specialist	College Credit Opportunities -- High School Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.	Professional Associations: Alliance of Automobile Manufacturers American National Standards Institute Automotive Service Excellence Automotive Parts & Accessories Association Engine Manufacturers Association Industrial Truck Association Motor & Equipment Manufacturers Association National Automotive Technicians Education Foundation Society of Automotive Engineers Texas Motor Transportation Association
	Certificates	Alternate Fuels Technician Automobile/Light Truck	Automotive Service Excellence Engine Machinist	I-CAR OSHA CareerSafe		
	Associate Degrees	Applied Automotive Technology Auto Body Technology	Automotive Technology/Diesel & Heavy Equipment	Business Engineering Management		
	Bachelor Degrees	Accounting Business Management	Engineering	International Business		
Graduate Degrees	Aerospace Engineering	Business Management	Engineering	Career Options: Contracting Instructor/Professor Research and Development		

This program of study (POS) serves as a guide, along with other college and career planning materials, for pursuing college and career goals. POS developed 2017. A Business & Industry endorsement as defined in 19 TAC 74.13(f)(2)(A) requires a coherent sequence of courses for four or more credits in career and technical education (CTE) that consists of at least two courses in the least one advanced CTE same career cluster, including at course, which includes any course that is the third or higher course in a sequence. The final courses in the sequence must be obtained from one of the Transportation, Distribution & Logistics career cluster.