



# 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 Name:** \_\_\_\_\_  
**Grade:** \_\_\_\_\_  
**School:** \_\_\_\_\_

## SUGGESTED COURSEWORK

## EXTENDED LEARNING EXPERIENCES

Middle School	8th	<b>HS Courses:</b>	Touch Systems Data Entry		<b>Curricular Experiences:</b> <a href="#">SkillsUSA</a>	<b>Extracurricular Experiences:</b> Ford/AAA Student Auto Skills Competition Language Immersion Programs Manufacturer Specific Programs School Newspaper Student Government UIL Academic Competitions Yearbook	
	High School	9th	<b>Core Courses:</b>	English I Algebra I or Geometry Biology			World Geography Languages other than English I Physical Education
<b>Career-Related Electives:</b>			Principles of Transportation or Distribution and Logistics				
10th		<b>Core Courses:</b>	English II Geometry or Alg II Chemistry	World History Languages other than English II			
		<b>Career-Related Electives:</b>	Energy, Power and Transportation Systems				
11th		<b>Core Courses:</b>	English III Algebra II or Pre-Cal Physics or Princ of Technology	United States History Professional Communications			
	<b>Career-Related Electives:</b>	Automotive Technology					
12th	<b>Core Courses:</b>	English IV Alg III, Pre-Calculus, or AP Calculus Science Elective	Government/Economics Fine Arts				
	<b>Career-Related Electives:</b>	Advanced Automotive Technology					
<b>COLLEGE CREDIT OPPORTUNITIES -- High School</b>					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.		
Postsecondary	On-the-Job Training	Auto Mechanic	Auto Diesel Mechanic	Transmission Repair Specialist	<b>Professional Associations:</b> <a href="#">Alliance of Automobile Manufacturers</a> <a href="#">American National Standards Institute</a> <a href="#">Automotive Service Excellence</a> <a href="#">Automotive Parts &amp; Accessories Association</a> <a href="#">Engine Manufacturers Association</a> <a href="#">Industrial Truck Association</a> <a href="#">Motor &amp; Equipment Manufacturers Association</a> <a href="#">National Automotive Technicians Education Foundation</a> <a href="#">Society of Automotive Engineers</a> <a href="#">Texas Motor Transportation Association</a>		
	Certificates	Alternate Fuels Technician Automobile/Light Truck	Automotive Service Excellence Engine Machinist	I-CAR OSHA CareerSafe			<b>Career Options:</b> Mechanic Military Service Technician
	Associate Degrees	<a href="#">Applied Automotive Technology</a> <a href="#">Auto Body Technology</a>	<a href="#">Automotive Technology/Diesel &amp; Heavy Equipment</a>	<a href="#">Business Engineering Management</a>			<b>Career Options:</b> Industrial Electrician Master Mechanic Supervisor Specialty Technician
Bachelor Degrees	Accounting Business Management	Engineering	International Business	<b>Career Options:</b> Industrial Engineer Manager			
Graduate Degrees	Aerospace Engineering	Business Management	Engineering	<b>Career Options:</b> Contracting Instructor/Professor Research and Development			

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2009. All plans meet high school graduation requirements as well as college entrance requirements.