




Career Cluster: Automotive

Career Pathway: Mobile Equipment Maintenance

HIGH SCHOOL			
EXPLORER COURSES: Choose one or more of the following courses to see if this would be a career you would enjoy.			
Introduction to Transportation (1 semester)		Alternative Power 1 (1 semester)	
Introduction to Industrial Technology (1 semester)			
CONCENTRATOR COURSES: Completed after an Explorer course. Helps you discover what area of the field you would like to specialize in.			
General Service 1 – Automotive (1 year)		Engine Mechanical Repair (1 semester)	
COMPLETER COURSES: Must have completed an Explorer and a Concentrator course before taking this course.			
General Service 2 – Automotive (1 year)		General Service 3 – Automotive (1 year)	
PATHWAY SEQUENCE: Suggested order of courses.			
9 th Grade	10 th Grade	11 th Grade	12 th Grade
Intro to Transportation	General Service 1	General Service 2	General Service 3
Alternative Power	Intro to Industrial Tech	Engine Mechanical Repair	
SUPPORTING COURSES: Courses outside of the pathway that would be very helpful in your career.			
Production Welding	Hand & Power Tools	Production Blueprint	Physics
STUDENT ORGANIZATION OPPORTUNITIES			
Skills USA		Contact: Mike Long	
TSA		Contact: Mike Long	
CERTIFICATION & COLLEGE CREDIT OPPORTUNITIES			
Auto Service (WSUTech Block)			
HIGH SCHOOL TO POSTSECONDARY EDUCATION & TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1 - Year Certificate Avg. Salary: \$40,500	2 - Year Assoc. or Tech. Degree Avg. Salary: \$41,700	4 - Year Bachelor's Degree Avg. Salary: \$86,600
	<ul style="list-style-type: none"> ➤ Automotive Service Technician – ASE Local Institutions <ul style="list-style-type: none"> ➤ WSUTech: Automotive Technology Certificate ➤ Butler: Automotive Technology Certificate ➤ Cowley: Automotive Technology Certificate 	<ul style="list-style-type: none"> ➤ Automotive Service Technician – ASE ➤ Diesel Mechanic Local Institutions <ul style="list-style-type: none"> ➤ WSUTech: Automotive Technology, Alternative Fuel Vehicle Maintenance ➤ Butler: Automotive Technology ➤ Cowley: Automotive Technology 	<ul style="list-style-type: none"> ➤ Mechanical Engineer (Automotive Focus) Local Institutions <ul style="list-style-type: none"> ➤ WSU: Mechanical Engineering ➤ Pitt State: Mechanical Engineering Technology: Automotive Emphasis ➤ Friends: Mechanical Engineering



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Course Descriptions

Introduction to Transportation (7241) – 1 semester

Introduction to the automotive program. Students gain an overview of transportation industry skills and career opportunities, as well as the education required to acquire each career.

Alternative Power (7219) – 1 semester

It is designed to provide students with basic theories and information needed to develop an understanding of alternative power used in transportation.

General Service 1 (7233/7234) – 1 year

The course is designed to provide students with basic theories and information needed to develop an understanding of automotive and light truck vehicles.

General Service 2 (7237/7238) – 1 year

The comprehensive course is designed to provide students with knowledge in theory of operation, the equipment and the skills necessary for employment in the field of automotive and light truck vehicles service.

Engine Mechanical Repair (7232) – 1 semester

Prerequisite: General Service 1 or 2. This course covers the tools, skills, and techniques required to perform basic engine mechanical repair and testing. This includes engine removal, installation, and maintenance.

General Service 3 (7239/7240) – 1 year

It is designed to build upon skills in the General Service 2—Automotive course and to provide additional opportunities for work-based experience.

Auto Service (WSUTech Block)

The Automotive Service Technology program allows students to gain skills and knowledge to accurately diagnose, repair and service various automotive vehicles. Program includes classroom and lab instruction. Auto service technicians in Wichita earn an average of \$18 per hour.