

High School to College and Career Pathway: Secondary

Career and Technical Education: Preparing Students for College and Career!



Area of Study: Skilled and Technical Sciences Education

Pathway: Mechanics and Repairs – Automotive Service Technician

Get the Facts
According to the U.S. Department of Labor, the automotive industry is rapidly growing and “the work of automotive service technicians and mechanics has evolved from simply mechanical to high technology.”

Workforce Trends
Job opportunities in the automotive industry are expected to be very good for persons with formal training, strong diagnostic and problem-solving skills, and knowledge of electronics and mathematics. Nationwide, employment of automotive service technicians and mechanics is projected to increase 5 percent through the year 2018.

**CAREER AND TECHNICAL EDUCATION
Recommended Pathway Courses**

(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)

CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL

Course #	Foundation Courses: (required)	Credit
47.0604	Introduction to Automotive	.50
<i>Choose one of the following courses:</i>		
47.0612	Vehicle Inspection Technician	.50
47.0624	ASE General Service Technician *	1.00
47.0634	ASE Brakes	1.00
47.0644	ASE Steering and Suspension	1.00
47.0654	ASE Electrical/Electronics	2.00
47.0664	ASE Engine Performance	2.00
Elective Courses:		
47.0633	Basic Automotive Collision Repair	.50
47.0105	Basic Electronics	.50
47.0603	Collision Non-Structural and Structural Repair	1.00
47.0606	Small Vehicle Technician	.50
32.0199	Student Internship (Critical Workplace Skills)	.50

3.00 credits for completion

Automotive Service Technician is:

- > High skill
- > High wage
- > High demand
- > Nontraditional for females

Sample Career Occupations

- > Aircraft Mechanic Technician
- > Automotive Service Technician
- > Automotive Service Technician Teacher
- > Mechanic
- > Motorboat Mechanic

This is a nontraditional occupation for women. In 2007, 1.6 percent of the people employed in this occupation were women.

* This course can be taken multiple times to meet the ASE standard.
Foundation courses taken beyond the required credits can be used as elective credit.
Visit UtahCTE.org to learn how to earn industry certification in this Pathway.

Middle School		State Requirements		High School Suggested Education Plan				College and Career
7th Grade	8th Grade	Middle School	High School	9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th Grade Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts 4.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	Language Arts 12 1.00	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <ul style="list-style-type: none"> > Certificate > Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship > Military training <p>For more information on salary projections, labor market demand, and training options, visit www.utahfutures.org.</p>
Math * 1.00	Math * 1.00	2.00	Math 3.00	Math * 1.00	Math * 1.00	Math * 1.00		
Science .50	Science 1.00	1.50	Science 3.00	Earth Systems 1.00	Physics 1.00 or Physics with Technology 1.00	Additional Credit 1.00		
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies 3.00	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	
P.E. 1.00	Health .50	1.50	P.E./Health 2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50			
The Arts .50	The Arts .50	1.00	Fine Arts 1.50	Fine Arts Courses 1.50				
Keyboarding .50			Computer Tech. .50	Computer Technology .50				
CTE Intro 1.00		1.00	CTE 1.00	Refer to Career and Technical Education box above.				

* Talk to your school counselor about math requirements in the new common core curriculum. Core curriculum and elective requirements may vary district to district.

Concurrent enrollment course offerings vary by school and district. Many Utah postsecondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional postsecondary Pathways for details.