



# Automotive Technology Career Pathway

Education Planning Guide for Middle School and Beyond



This Career Pathway, along with other career planning materials, serves as a guide to assist students in the Auburn School District in developing a relevant middle-to-high school plan that will prepare them for further education and/or employment in the **Skilled and Technical Career Cluster**. The career pathway outlined below can be individualized to meet each learner’s education and career goals. It allows students to earn high school credits while completing coursework in middle school, earn college credits while completing coursework within high school, and apply those credits toward attainment of a college certificate and/or degree. It is important to share and review this plan with a parent/guardian and school counselor.

EDUCATION LEVELS	GRADE	English/ Language Arts	Social Studies	Science	Math	Other Required Courses Other Electives Recommended Electives Learner Activities Leadership Activities	Career & Technical Courses And/or Degree Major Courses	Auburn School District Graduation Requirements				
								Credit Requirements (24.0 credits total):				
<i>Interest Inventory Administered and Plan of Study Initiated for all Learners</i>												
<b>MS</b>	8	Successfully complete required coursework for 6th, 7th and 8th grade, and these electives →			STEM Robotics STEM Mechatronics 1 and 2 or STEM Construction 1 and 2			4.0 credits - English 3.0 credits - Social Studies 3.0 credits – Math 3.0 credits - Science 1.5 credits – Fitness 0.5 credits – Health 2.0 credits – Arts ** 2.0 credits – World Language ** 1.0 credits – Career and Technical 4.0 credits - Electives  <u>Additional Requirements:</u> • High School and Beyond Plan • Culminating Project/Portfolio • Certificate of Academic Achievement or Approved Alternative				
	<b>SECONDARY</b>	9	Language Arts	(.5) World Studies or AP Human Geography	Science (1.0) Next Gen or Biology	Algebra I	(2.0) Credit from Fine Arts or Course Equivalencies			Orientation or Career Choices	Electronics or Automotive—Small Gas Engines (AHS)	
		10	Language Arts	Global Issues (.5) or AP Euro	Science (1.0) Next Gen or Chemistry	Geometry				(.5) 10th Grade Health	Minimum of two years of the same world language are required for students planning to enroll at a four-year university	Automotive Technology 1-2* (two hour block)
		11	American Literature 1, 2	U. S. History or AP U. S. History	Chemistry	Advanced Algebra and Trig				(1.5) Credits From Fitness Courses		Automotive Technology—Advanced 1-2* (three hour block)
		<i>College Placement Assessments-Academic/Career Advisement Provided</i>										Automotive Technology—Advanced 3-4* (three hour block)
12	Senior English Electives	Civics (.5) and Elective (.5) or AP American Government (1.0)	Physics or AP Biology or AP Chemistry	AP Statistics or Pre-Calculus								

\*Students who earn a “C” or better in the above (\*) courses may be eligible for college credit. See page 3 for more information. \*\*Credits may be applied in a chosen career pathway.





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<b>POST SECONDARY</b>	<p>The Post-High School program options listed below for this Career Pathway represents just some examples of options available within the Puget Sound area, including programs where agreements for dual credit exist between the college and school district. For other options available related to this program of study, visit your career center or the websites of local colleges.</p>	
	<b>Apprenticeship Opportunities</b>	<p>To learn more about apprenticeships in this program, go to: <a href="#">Apprenticeship Registration &amp; Tracking</a>, or <a href="#">Bates Technical College</a>            Examples: School Bus Mechanic, Steering and Suspension Technician, Automotive Mechanic, Brake and Air System Technician, Drive Train System Technician, Electronic System Technician, Heavy Duty Equipment Mechanic, Medium/Heavy Duty Diesel Mechanic.</p>
	<b>Earn Certificate and Enter Workforce</b>	<p>To learn more about certificate programs, go to: <a href="#">Renton Technical College</a> , <a href="#">Green River College</a> , <a href="#">ASE Education Foundation</a>, <a href="#">Shoreline Community College</a>            Examples: Automotive Technology, Automotive Technology - Automotive Maintenance and Light Repair Certificate, Automotive Brakes, Steering and Suspension, Automotive Electrical Systems, Automotive Engine Performance, Automotive Heating and Air Conditioning, Automotive Transmission and Transaxle, Electric Vehicle Technician (Tesla), Automotive General Service Technician (GST).</p>
	<b>Military</b>	<p>To learn more about Military education and training programs, go to: <a href="#">todaysmilitary.com</a> , <a href="#">defense.gov</a></p>
	<b>Associate Degree Transitions</b>	<p>To learn more about Associate degrees, go to: <a href="#">Renton Technical College</a> , <a href="#">Green River College</a> , <a href="#">Shoreline Community College</a>, <a href="#">UTI</a>, <a href="#">Clover Park Technical College</a>            Examples: Automotive Technology, Automotive Service Technician AAAS, General Motors Automotive Service Educational Program (ASEP) AAAS, Honda, Mopar, and Toyota Professional Automotive Career Training (PACT) AAAS, Autobody Repair &amp; Refinishing</p>
	<b>4 year University</b>	<p>To learn more about Bachelor and beyond degrees, go to: <a href="#">Western Washington University</a>            Examples: Industrial Technology/Vehicle Design</p>

Students intending to earn an Associate Degree and transition to a 4-year University can use the below section to list appropriate classes.

COURSE CODE	CREDIT	COURSE NAME	COURSE CODE	CREDIT	COURSE NAME



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The Automotive Career Pathway prepares students for the highly technical and rewarding careers within the automotive field. As an ASE/ASE Alliance certified program, this program features state of the art equipment used in the automotive industry, training from industry experts, and hands-on experience with vehicles equipped with the latest technologies. Students apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Students receive instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air conditioning systems. Advanced students in the program will have opportunities to work toward nationally recognized Automotive Service Excellence (ASE) certifications, as well as job shadows and obtain paid internships at local automotive dealerships.

## Occupational Information

The following represent occupations within this field and their average annual earnings and openings based on data from the Washington State Employment Security Department. For more information about these and other occupations within this field, go to <https://esd.wa.gov/labormarketinfo>

<u>Occupation</u>	<u>Washington State Projected Openings</u>		<u>Earnings</u>
	<u>2016-2026</u>		
Automotive Service Technicians	563		\$47,211 yr.
Bus & Truck Tech & Diesel Engine Specialists	387		\$53,921 yr.
Automotive Body and Related Repairers	145		\$51,985 yr.
Aircraft and Service Technicians	245		\$73,259 yr.
Heavy Equipment Technicians	125		\$53,876 yr.

## Post-High School Connections

The following courses within this program of study may be eligible for college credit at several local colleges if students earn a “C” or better:

<u>High School Course</u>	<u>Credits Possible</u>	<u>College</u>	<u>College Course</u>
Automotive Technology I, II	12	CPTC	AUT 147, 149
	10	Green River	ATECH 111, 112, 116, 117
	2	Renton Tech	AUTC 1101

## Industry Certification Options

Automotive Service Excellence - Auto Certification  
 Equipment & Engine Training Council –Stihl/Briggs & Stratton Small Engine Certification

## Student Leadership Development



Skills USA serves high school and college students enrolled in training programs in trade, technical and skilled service occupations. Programs include local, state and national competitions in which students demonstrate occupational skills, leadership, teamwork, citizenship, and promotes involvement in community service activities.

## Scholarship Opportunities

For local, state, and national scholarship opportunities, please visit your counseling and/or career center, Career Cruising [www.CareerCruising.com](http://www.CareerCruising.com), WOIS [www.wois.org](http://www.wois.org), [thecareemap.org](http://thecareemap.org) or Fast Web [www.FastWeb.com](http://www.FastWeb.com)

For more information about this Career Pathway, contact an instructor, a school counselor or a career specialist.



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