



# AUTOMOTIVE TECHNOLOGY

## Program of Study

### One or Two-Year Program



**Career Cluster:** Transportation, Distribution & Logistics

**Career Pathway:** Sales & Service

*This Career Pathway Program of Study can serve as a guide along with other career planning materials as learners continue on a career path. Courses listed within this program are only recommended coursework and should be individualized to meet each learner's education and career goals. The courses outlined below are only RECOMMENDATIONS.*

*Course offerings may vary from high school to high school. Additionally, a PPR (Personalized Pathway Requirement) may be used in lieu of some of the World Language and/or Art credit requirement. See your high school counselor for additional graduation requirement information.*

**PPR – Personal Pathway Requirement** \*World Language – 2.0 credit may be met through a PPR \*\*Art – 1.0 credit may be met through a PPR

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	Other Requirements	Electives	Summer School Offerings High School Credit Free of Charge
<b>MS</b>	<b>6-8</b>	Grade Level ELA	Grade Level Math	Grade Level Science	Grade Level Social Studies		STEM Classes	<b>Summer School Available After the 8<sup>th</sup> Grade Year</b>
<b>High School</b>	<b>9</b>	ELA 9	Integrated Math I OR Intensive Integrated Math I	Physical Science		Health (.5) PE (.5) World Language* Art**	<b>CTE &amp; Elective Options to be Taken Grades 9-10</b>  <ul style="list-style-type: none"> <li>• Anytime Fitness _ _</li> <li>• Digital Photo I &amp; II _ _</li> <li>• American Sign Language I &amp; II</li> <li>• Spanish I &amp; II</li> <li>• Weights</li> <li>• STEM I, II &amp; III</li> <li>• AP Computer Science Principles</li> <li>• CHS-UW/CSE 142 Computer Programming</li> </ul>	<b>PCSC Summer School</b>  Aerospace Machining & Fabrication, Aerospace Composites, Automotive Technology, Construction Trades, PC Networking & Hardware Repair at PCSC  See PCSC Summer School application for additional course offerings at other PCSC summer school locations. Offerings also include CTE classes that may satisfy academic credit graduation requirements – specifically in art, PE, and health.
	<b>10</b>	ELA 10	Integrated Math II	Biology OR BIOL 101 (CHS/CWU)	World Studies OR HIST 103 (CHS/EWU)	PE World Language* - If using PPR then two years of CTE coursework recommended in STEM Art** - must use PPR for 2nd year option		
	<b>11</b>	ELA 11 OR ENGL 101 (CHS/EWU)	Integrated Math III	STEM I & II Biotechnology Horticulture Science 1  - -	US History OR AP US History		<b>Junior Year Options at PCSC:</b> Automotive Year 1 Aerospace Composites Aerospace Machining Construction Trades	
	<b>12</b>	ELA 12 OR ENGL 170 (CHS/EWU)	Consumer Math OR Math 101/College Ready Math (CHS/CWU)	STEM I & II Biotechnology Horticulture Science 1  - -	Civics & Economics OR POLS 210 (CHS/CWU)		<b>4.5 Occupational Ed Credits</b> <b>Automotive Year 1</b> <b>OR</b> <b>Automotive Year 2</b>	
<b>Credit Equivalency, Certifications &amp; Dual Credit</b>	<b>High School Credit Equivalency:</b> 4.5 CTE/Elective			<b>Certifications Earned at PCSC:</b> ASE – 10 exams Valvoline Oil SP2 Precision Exams First Aid/CPR			<b>Articulation/Dual Credit: (DC)</b> Bates Technical College – up to 4 credits Clover Park Technical College – up to 13 credits  <i>Articulation agreements and number of credits are subject to change</i>	

<b>Clubs and Extracurricular Activities</b>	<b>TSA</b> Technical Student Association	<b>OMS TSA Advisor:</b> Oliver Chadwick chadwicko@orting.wednet.edu	<b>OHS TSA Advisor:</b> Denise Thompson thompsond@orting.wednet.edu
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## Additional Program Information

### Course Description

The Automotive Technology program is designed to train students for a variety of jobs within the automotive industry. Students will focus on maintenance and light repair in an environment set up just like an automotive service department. Students will service and diagnose vehicles, complete tune-ups, conduct brake and suspension repairs, and perform wheel alignments.

<p><b>Course Outline</b></p> <ul style="list-style-type: none"> <li>• Engine Repair</li> <li>• Automatic Transmission and Transaxle</li> <li>• Manual Drive Train and Axles</li> <li>• Suspension and Steering</li> <li>• Brakes</li> <li>• Electrical/Electrical Systems</li> <li>• Heat/Air Conditioning</li> <li>• Engine Performance</li> </ul>	<p><b>Local Public Post-Secondary Options</b></p> <ul style="list-style-type: none"> <li>• Bates Technical College</li> <li>• Clover Park Technical College</li> <li>• Shoreline Community College</li> <li>• Wyo-Tech</li> <li>• Universal Technical Institute</li> <li>• Caterpillar University</li> <li>• Big Bend Community College</li> <li>• Renton Technical College</li> <li>• Green River Community College</li> <li>• Perry Technical Institute</li> <li>• Skagit Valley College</li> <li>• Clark College</li> </ul>																								
<p><b>Careers &amp; Job Outlook</b></p> <p>The information provided below is from the Washington State Employment Security Department.</p> <p><a href="https://esd.wa.gov/labormarketinfo/learn-about-an-occupation#/details">https://esd.wa.gov/labormarketinfo/learn-about-an-occupation#/details</a></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Occupation</th> <th style="text-align: left;">Annual Salary</th> </tr> </thead> <tbody> <tr> <td>Automotive Service Technicians &amp; Mechanics</td> <td>\$48,410</td> </tr> <tr> <td>Automotive Body &amp; Related Repairers</td> <td>\$53,878</td> </tr> <tr> <td>Mobile Heavy Equipment Mechanics, Except Engines</td> <td>\$48,410</td> </tr> <tr> <td>Bus &amp; Truck Mechanics &amp; Diesel Engine Specialists</td> <td>\$54,924</td> </tr> <tr> <td>Automotive Body &amp; Related Glass Repairers</td> <td>\$53,878</td> </tr> <tr> <td>Outdoor Power Equipment &amp; Other Small Engine Mechanics</td> <td>\$41,349</td> </tr> <tr> <td>Automotive Glass Installers &amp; Repairers</td> <td>\$41,220</td> </tr> <tr> <td>Automotive &amp; Watercraft Service Attendants</td> <td>\$28,220</td> </tr> <tr> <td>Electric Motor, Power Tool, and Related Repairers</td> <td>\$62,207</td> </tr> <tr> <td>Recreational Vehicle Service Technicians</td> <td>\$47,278</td> </tr> <tr> <td>Parts Salespersons</td> <td>\$35,713</td> </tr> </tbody> </table>	Occupation	Annual Salary	Automotive Service Technicians & Mechanics	\$48,410	Automotive Body & Related Repairers	\$53,878	Mobile Heavy Equipment Mechanics, Except Engines	\$48,410	Bus & Truck Mechanics & Diesel Engine Specialists	\$54,924	Automotive Body & Related Glass Repairers	\$53,878	Outdoor Power Equipment & Other Small Engine Mechanics	\$41,349	Automotive Glass Installers & Repairers	\$41,220	Automotive & Watercraft Service Attendants	\$28,220	Electric Motor, Power Tool, and Related Repairers	\$62,207	Recreational Vehicle Service Technicians	\$47,278	Parts Salespersons	\$35,713	<p><b>Additional career and outlook information can be found on the following websites:</b></p> <p><a href="http://www.bls.gov">www.bls.gov</a>  <a href="http://www.careerbridge.wa.gov">www.careerbridge.wa.gov</a></p>
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