



Career Cluster: Transportation, Distribution & Logistics

Career Cluster Pathway: Diesel Technology



Program of Study: An Educational Planning Guide for High School and Beyond

	Grade	English	Math	Science	Social Studies	Fitness/Health and Visual or Performing Arts	Recommended Career and Technical Education (CTE) Courses and Other Electives	Graduation Requirements	SAMPLE Occupations Related to this Pathway
Secondary Options	9	English 9 (1 credit)	Algebra (1 credit)	Science (1 credit)		Health/Fitness (1 credit) Fine Art (1 credit)	Elective class (1 credit) Metal Fabrication 1	<u>H.S. Credit Requirements (24 credits total):</u> 4.0 credits – English 3.0 credits – Social Studies 3.0 credits – Math 2.0 credits – Science 2.0 credits – Health and Fitness 1.0 credits – Visual or Performing Arts 1.0 credits – Occupational Education 8 credits – Occupational Education or Electives <u>Additional Skills Center opportunities:</u>	Occupations requiring less than a Baccalaureate Degree ► Service Writer ► Sales Rep ► Warranty Claims ► Parts Person ► Shop Foreman ► Diesel Technician ► Service Trainer ► Millwright ► Windmill Technician ► Business Owner Occupations requiring a Baccalaureate Degree ► Parts Engineer
	10	English 10 (1 credit)	Geometry (1 credit)	Science (1 credit)	World Studies (1 credit)	Fitness (1 credit)	Elective class (1 credit) Metal Fabrication 2		
	11	English 11 (1 credit)			US History (1 credit)		<ul style="list-style-type: none"> • Diesel 1 (3 credits) * possible 10+ college credits w/ "B" grade or higher • Elective class (1 credit) 		

	12	English 12 (1 credit)	Algebra 2 or CTE Math (1 credit)		CWI (1 credit)		<ul style="list-style-type: none"> • Diesel 2 (3 credits) * possible 10 college credits w/"B" grade or higher 	<ul style="list-style-type: none"> • Possible college articulated credits each year at the Skills Center • Pre-apprenticeship agreements for priority placement • Possible Industry Certificate at end of course 	► Engine engineer
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Courses shown in RED indicate courses articulated with local colleges. College credit can be earned through those courses.

Post Secondary Options	13 and Beyond	Complete a registered apprenticeship and/or enter directly into the workforce	Earn a Technical Certificate from a community or technical college and enter the workforce	Earn an Associate's Degree from a community or technical college and enter the workforce	Earn a Baccalaureate Degree and enter the workforce
	Program Options	Possible apprenticeship options w/ priority entrance for Skills Center program completers: <ul style="list-style-type: none"> • Heavy Duty Repairman Mechanic (49-3042) • Heavy Duty Equipment Mechanic (49-3031) To learn more about apprenticeships, visit Labor and Industries website at www.lni.wa.gov	<u>Clark Community College:</u> <ul style="list-style-type: none"> • Diesel Technology: Certificate of Achievement <u>Portland Community College:</u> <ul style="list-style-type: none"> • Diesel Technology <u>Lower Columbia Community College:</u> <ul style="list-style-type: none"> • Diesel Technology: Certificate of Achievement <u>Universal Technical Institute</u> <ul style="list-style-type: none"> • Diesel Technology: Certificate of Achievement 	<u>Clark Community College:</u> <ul style="list-style-type: none"> • Diesel Technology: Associate in Applied Technology (AAT) Degree • Associate in Applied Science (AAS) Degree <u>Portland Community College:</u> <ul style="list-style-type: none"> • Diesel Technology: Associate in Applied Science (AAS) Degree <u>Lower Columbia Community College:</u> <ul style="list-style-type: none"> • Diesel Technology: Associate in Applied Science (AAS) Degree 	<u>Montana State University (Northern):</u> Baccalaureate in Science (major in Diesel minor in Business)