HS Name: Community College Name: CTE Program of Study:	Portland Automo		_	ol			Introduction to Automotive	Engine Rep	air Drivetrain Systems I	Drivetrain Systems II	Drivetrain Systems III
Date:	2014/20)15					Automotive				
Skill Set Crosswalk for Cluster Area Auto & Heavy Equip Technology http:// www.ode.state.or.us/apps/oss/default.aspx?cla=311&c=1500 Code & # Standard	automotive.1	attornive2	automotive 3	automotived	an id	an 111	kn 121	AM 22	km 132	an 151	anlar
AHT01.01 - Use Mathematics in the service and repair of automobiles or heavy equipment.	x	×	x	×	×	×	х	×	х	x	х
AHT01.02 - Understand the application of the principles of science used in modern automobiles or heavy equipment.			x		×	×	x	×	x	x	x
AHT02.01 - Use communication skills to service and repair automobiles or heavy equipment.	×	×	x	×	×	×	x	x	x	x	x
AHT02.02 - Identify and use sources of service information used in the service and repair of automobiles or heavy equipment.			×	x	x	x	x	x	x	x	x
AHT02.03 - Use vehicle identification information in the service and repair of automobiles or heavy equipment.		x	x	x	x	x	×	x	x	x	x
AHT03.01 - Use problem solving and critical thinking skills when diagnosing, servicing, and repairing automobiles or heavy equipment.	x	×	x	x	x	x	x	x	x	x	x
AHT04.01 - Use information technology (IT) resources for the repair and service of automobiles or heavy equipment.	5		x	x	×	x	x	x	x	x	x
AHT05.01 - Describe the concept of multiple components connected and operating in a system.			x	x		×	x	×	x	x	x
AHT05.02 - Describe the design and operation of the systems and subsystems in modern automobiles or heavy equipment.			x	x		x	x	x	x	x	x
AHT06.01 - Develop and practice safe working habits while servicing and repairing automobiles o heavy equipment.	r x	x	x	x	x	x	x	x	×	x	x
AHT06.02 - Develop and practice EPA (Environmental Protection Agency) acceptable practices when dealing with hazardous and nonhazardous wastes in the service and repair of automobiles or heavy equipment. AHT07.01 - Practice leadership traits and habits in			x	×	x	x	x	x	x	x	x
the workplace. AHT07.02 - Demonstrate teamwork in the service	x	x	X	X X	X	х	X	x	x	X	X
and repair of automobiles or heavy equipment.	х	х	х	^	х	х	х	х	х	x	Х

							•					
Undercar Systems I	Undercar Systems II	Undercar Systems III	Electrical Systems	Electrical Systems II	Electrical Systems III	Heating and Air Conditio ning	Engine Perform ance I	Engine Perform ance II	Engine Perform ance III	Auto Shop Lab I	Auto Shop Lab II	Auto Shop Lab III
AM LAZ	8W 167	an les	an 163	AM 272	VIV 181	8W 1855	EN 1853	RN 201	AM 202	an 203		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
×	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	х	x	x	x	x	x	x		

AHT08.01 - Understand and practice ethical work habits when working with customers, managers, and peers in the service and repair of automobiles or heavy equipment.		x	ж	x	х	x	x	x	x	x
AHT08.02 - Follow legal responsibilities when working with safety systems on automobiles or heavy equipment.		x	×	x	x	x	x	x	x	x
AHT08.03 - Understand legal driving requirements in the repair and service of automobiles or heavy equipment.			×	x	x	x	x	x	x	x
AHT08.04 - Understand the liability issues related to repairs made to customer's automobiles or heavy equipment.			×	x						
AHT09.01 - Develop materials and practice the skills necessary for successful employment interviews.			x							
AHT09.02 - Describe various workplace characteristics of automotive or heavy equipment related career areas.		х	x	x						
AHT09.03 - Describe potential career advancement opportunities for automotive or heavy equipment careers.	x	x x	×							
AHT10.01 - Demonstrate the safe and proper use of tools needed for the service and repair of automobiles or heavy equipment.	x	x x	×	x	x	x	x	x	x	x
AHT10.02 - Practice professionalism with customers' vehicles or equipment during the service of automobiles or heavy equipment.		х	×	x		x	x	x	x	x
AHT11.01 - Identify the different payment systems for employee pay and customer billing in the service and repair of automobiles or heavy equipment.				x			x	x		x
AHT11.02 - Analyze tool costs related to the service and repair of automobiles or heavy equipment.				x						
				KW 100	AM 121	Arm 232 Introduction to	AN 1212 Engine Repair		privetrain Systems II	privetrain Systems III
						Automotive				

x	x	x	x	x	x	X	x	x	x	x		
×	x	x	x	x	x	X	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
								x	x	x		
								x	x	x		
x	x	x	x	x	x	X	x	x	x	x		
x			x	x				х	x	x		
x			x	x				x	x	×		
AM 2AL	bw Jes	am les	AM 163	AM 272	WU 181	81N 18ST	AM 1883	VM 501	BM 202	an 203		
Undercar Systems I	Undercar Systems II	Undercar Systems III	Electrical	Electrical Systems II	Electrical Systems III	Heating and Air Conditio ning	Engine Perform ance I	Engine Perform ance II	Engine Perform ance III	Auto	Auto Shop Lab II	Auto Shop Lab III

Benson	Ber	nson H	ligh So	chool								Port	land C	Comm	unity	Colleg	e			
PCC																				
AUTO																				
10/5/2010	auto-1	auto-2	auto-3	auto-4	uction to Autom	Repair	ain	ain	ain	ar	ar	ar System	al System	al	al	g and	Engine Perform ance I	Engine Perform ance II	Engine Perform ance III	Auto Shop Lal I
Skill Set Crosswalk for Auto Service Tech																				
Focus Area	45	45	45	45	W. 700	AM 222	AM 231	AM 221	AM 132	AM 151	AM 141	AM JAZ	VW 167	VW 165	AM 163	AM 172	BW 181	W 185	AM 183	AM 201
Code # and Standard AHTA10.03 - Perform Lube, Oil, and Filter (LOF) and preventive maintenance needed for entry-level employment of the automobile service and repair field. AHTA10.04 - Perform skills and determine necessary actions needed in the automatic transmission area of automotive service and repair.		x	×	×	x			×	x											x x
AHTA10.05 - Perform skills and determine necessary actions needed in the manual drive train and axles area of automotive service and repair.			x	×			x	x												x
AHTA10.06 - Perform skills and determine necessary actions needed in the suspension and steering area of automotive service and repair.			x								x	x								x
AHTA10.07 - Perform skills and determine necessary actions needed in the brakes area of automotive service and repair. AHTA10.08 - Perform skills and determine necessary actions needed in the electrical/electronic systems area of automotive service and		x	x	x						x	x		x	x	x					x
repair. AHTA10.09 - Perform skills and determine necessary actions needed in the engine performance area of automotive service and repair. AHTA10.10 - Perform skills and determine necessary actions needed in the engine repair area of automotive service and repair.	x	x	x	x		×											x	x	x	x
AHTA10.11 - Perform skills and determine necessary actions needed in the heating and air conditioning area of automotive service and repair.				x												x				x
AHTA12.04 - Perform specialized skills and determine necessary actions needed in the automatic transmission area of automotive service and repair.								x	х											x

Auto Shop Lab II	Auto Shop Lab III
AM 202	AM 203
x	x
x	x
x	x
x	x
x	x
x	x
x	x
x	x
х	x
x	X

AHTA12.05 - Perform specialized skills and determine necessary actions needed in the manual drive train and axles area of automotive service and repair.			x	x												x
AHTA12.10 - Perform specialized skills and determine necessary actions needed in the engine repair area of automotive service and repair.		x														x
	Introd	Engine	Drivetr	Drivetr	Drivetr	Underc	Underc	Underc	Electric	Electri	Electric	Heatin	Engine	Engine	Engine	Auto
	uction	Repair	ain	ain	ain	ar	ar	ar	al	al	al	g and	Perform	Perform	Perform	Shop Lab
	to		System	System	System	System	System	System	System	System	System	Air	ance I	ance II	ance III	1
	Autom		s I	s II	s III	s I	s II	s III	s I	s II	s III	Conditi				
	otive											oning				

x	х
×	x
Auto Shop Lab II	Shop Lab