High School Name:	**Century High School**
Community College Name:	**Portland Community College**
CTE Program of Study Name:	**Information Communication Technology**
Date:	**2/5/2016**

Information & Communications Technology - ICT (I&E) Cluster

Skills-to-Course Matrix

Cluster Knowledge and Skills (CTE standards)

Code Number	KS Statement	Applied Web Design	TSA?	Programming 1	TSA?	Programming 2	TSA?	Web Design 1	TSA?	StRUT/STW/Com	TSA?
			☑		☐		☐		☐		☑
		☐		☐		☐		☐		☑	
ITCi01.01	Use oral and written communication in creating, expressing, and interpreting information and ideas within the information and communication technologies cluster occupations.	☑		☑		☑		☑		☐	
ITCi02.01	Exhibit ethical and professional behavior.	☑		☑		☑		☑		☑	
ITCi03.01	Use information technology tools specific to the information and communication technologies cluster to access, manage, integrate, and create information.	☑		☑		☑		☑		☑	
ITCi04.01	Explore, plan, and effectively manage careers within the information and communication technologies cluster.	☑		☑		☑		☑		☑	
ITCi05.01	Perform problem solving and troubleshooting for information and communication cluster.	☑		☑		☑		☑		☑	
ITCi06.01	Demonstrate an understanding of systems within the information and communication technologies environment.	☑		☑		☑		☑		☑	
ITCi07.01	Use knowledge of design, operation, and maintenance of technological systems critical to the information and communication technologies cluster.	☑		☑		☑		☑		☑	
ITCi08.01	Understand and adhere to safety, health, and environmental standards and regulations.	☑		☑		☑		☑		☑	
ITCi09.01	Demonstrate ability to develop, implement, and maintain cybersecurity.	☑		☑		☑		☑		☑	
ITCi10.01	Demonstrate ability to manage projects.	☑		☑		☑		☑		☑	
ITCi11.01	Demonstrate ability to manage, monitor, and evaluate work processes and procedures.	☑		☑		☑		☑		☑	
		☐		☐		☐		☐		☐☐	

Network Design & Administration Focus Area

Skills-to-Course Matrix

Focus Area Knowledge and Skills (CTE standards)

Code Number	KS Statement	Applied Web Desi...	TSA? ☑	Programming 1	TSA? ☐	Programming 2	TSA? ☐	Web Design 1	TSA? ☐	StRUT/STW/Comp...	TSA? ☑	TSA? ☐	TSA? ☐
		☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐	☐ ☐	
ICPDi01.01	Perform analysis of customer requirements.	☐	☐	☐	☐	☐	☐	☐				
ICPDi02.01	Design network.	☐	☐	☐	☐	☐	☐	☐				
ICPDi03.01	Configure and deploy network.	☐	☐	☐	☐	☐	☐	☐				
ICPDi04.01	Perform testing on network.	☐	☐	☐	☐	☐	☐	☐				
ICPDi05.01	Manage network.	☐	☐	☐	☐	☐	☐	☐				
ICPDi06.01	Maintain network and manage growth.	☐	☐	☐	☐	☐	☐	☐				
ICPDi07.01	Perform security administration.	☐	☐	☐	☐	☐	☐	☐				

Technical Support Focus Area

Skills-to-Course Matrix

Focus Area Knowledge and Skills (CTE standards)

Code Number	KS Statement	Applied Web Des...	TSA? ☑	Programming 1	TSA? ☐	Programming 2	TSA? ☐	Web Design 1	TSA? ☐	StRUT/STW/Comp...	TSA? ☑	TSA? ☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ICPFi01.01	Perform troubleshooting.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ICPFi02.01	Provide facilitation and customer service.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ICPFi03.01	Perform hardware and software installation, configuration, upgrades, and network support.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ICPFi04.01	Perform system operations, monitoring, and maintenance.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

High School Name:	**Century High School**
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Web Development & Administration Focus Area

Skills-to-Course Matrix

Focus Area Knowledge and Skills (CTE standards)

Course selection (triggers TSA):

	Applied Web Design	TSA?	Programming 1	TSA?	Programming 2	TSA?	Web Design 1	TSA?	StRUT/STW/Comp	TSA?	TSA?
(select)	☑	☑	☐	☐	☐	☐	☐	☐	☑	☑	☐

Code Number	KS Statement	Applied Web Design	TSA?	Programming 1	Programming 2	Web Design 1	StRUT/STW/Comp
ICPHi01.01	Understand and perform technical analysis.	☑	☑	☑	☑	☐	☐
ICPHi02.01	Understand and perform web programming.	☑	☑	☑	☑	☐	☐
ICPHi03.01	Develop, deliver and manage web content.	☑	☐	☑	☑	☐	☐
ICPHi04.01	Implement and maintain site and applications.	☑	☐	☑	☑	☐	☐
ICPHi05.01	Manage web environment.	☑	☐	☑	☑	☐	☐
ICPHi06.01	Manage enterprise-wide web activities.	☑	☐	☑	☑	☐	☐
ICPHi07.01	Perform testing and quality assurance.	☑	☑	☑	☑	☐	☐
ICPHi08.01	Develop and implement web database.	☑	☐	☑	☑	☐	☐

High School Name:	**Century High Sc**
Community College Name:	**Portland Communit**
CTE Program of Study Name:	**Information Communicati**
Date:	**2/5/2016**

Programming & Software
Skills-to-Course Matrix

Focus Area Knowledge and Skills (CTE standards)

Code Number	KS Statement	Applied Web Des.	TSA?	Programming 1
			☐	
		☐		☐
ICPEb01.01	Perform analysis of customer requirements.	☑		☐
ICPEb02.01	Develop structure.	☑		☐
ICPEb03.01	Design and develop program.	☑		☑
ICPEb04.01	Implement program.	☑		☑
ICPEb05.01	Test and validate program.	☑		☑
ICPEb06.01	Release product.	☑		☑

chool above and enter your High School Name above. 2) Enter the community college name on Course 1, Course 2, etc. below and replace with your POS course names (or numbers). 6)

TSA?	Programming 2	TSA?	Web Design 1	TSA?	StRUT/STW/Comp	TSA?
☐		☐		☐		☑
	☐		☐		☐	
	☑		☑		☑	
	☑		☑		☑	
	☑		☑		☑	
	☑		☑		☑	
	☑		☑		☑	
	☑		☑		☑	

TSA?

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