## PC HARDWARE FUNDAMENTALS

## Pierce County Careers Connection Dual Credit Articulation Agreement

Upon completion of high school courses eq	uivalent to the following competencies:	
<ul> <li>Demonstrate the ability to:</li> <li>Diagram, label and describe the functions of:         ~Components inside the system unit.</li> </ul>		
~Features of the motherboard and its key con	ponents.	
Assemble and disassemble PC's.		
Explain the subsystems within the PC and how  Page 1 to 2 and the support the base are a second to 2.	they interact.	
<ul><li>Describe and document the boot process.</li><li>Describe how conflicts arise between compone</li></ul>	ete in a DC	
Install RAM		
Describe and demonstrate the use of safety pre-	cautions when working with PC's	
<ul> <li>Format and partition hard drive.</li> </ul>	saadons mon noming man 1 0 0.	
<ul> <li>Load and configure operating system.</li> </ul>		
<ul> <li>Install and configure hardware components suc</li> </ul>	h as:	
~Motherboard		
~Hard drive		
~Cards ~Mice		
~Printers		
~Other peripherals		
<ul> <li>Access and configure the CMOS set up.</li> </ul>		
<ul> <li>Use available resources to determine a PC's component information such as size of hard drive, amount of RAM, and</li> </ul>		
type of processor.		
<ul> <li>Perform routine preventative maintenance for hardware.</li> <li>Install and configure components such as modems, CD-ROM drives and hard disks.</li> </ul>		
<ul> <li>Install and configure components such as modems, CD-ROM drives and hard disks.</li> <li>Perform advanced preventative maintenance for hard disks using utilities software.</li> </ul>		
Research and document solutions to error messages or symptoms of a hardware problem.		
Diagnose and troubleshoot common problems in		
Compare unique hardware configurations of PC		
~Servers		
~Dual boot systems		
~Thin clients.	hat factor augacoaful relationahina with augtomara	
<ul> <li>Use personal qualities, attitudes and key skills t</li> </ul>	nat loster successful relationships with customers.	
□ Problem Solving/Troubleshooting		
	ls and methods to correctly isolate and identify technical p	
<ul> <li>Identify and use a wide range of resources and techniques to identify technical problems and develop and implement</li> </ul>		
resolution plans.		
□ Project Management		
<ul> <li>Coordinate the use of resources with other tear</li> </ul>	n members and groups.	
A student earning a "B" grade or better may	earn college credit at one of the following colle	eges:
College	Course	<u>Credits</u>
<del></del>		
Bates Technical College	INFO 105 (CIP Code: 15.1202)	5
Clover Park Technical College	NSS 101 (CIP Code: 47.0104)	5

Updated: 6/2017