



Student Name _____

School / Training Facility _____

**ARTICULATION COMPETENCY RECORD
Baker College**

Please check below each skill the student has mastered with a minimum of 80 percent accuracy.

CIS107B Computer Operating Systems and Maintenance II

Task		Satisfactory	Unsatisfactory
1.	Demonstrate the knowledge of a Path of the PC Tech		
	a. Understand the skills involved in managing and troubleshooting PCs		
	b. Learn the importance of Certification, particularly CompTIA A+ certification		
	c. Learn how to become a CompTIA A+ certified Technician		
2.	Demonstrate in-depth knowledge and understanding of CPU and RAM		
	a. Explain difference between 32 bit and 64 bit CPUs		
	b. Select and install CPUs		
	c. Select and install RAM		
	d. Perform basic RAM troubleshooting		
3.	Demonstrate in-depth knowledge and understanding of Motherboards		
	a. Upgrade and install motherboards		
	b. Install expansion cards correctly		
	c. Understand and troubleshoot POST		
	d. Know how to maintain BIOS and CMOS		
	e. Troubleshoot expansion cards		
	f. Troubleshoot motherboard problems		
4.	Demonstrate in-depth knowledge and understanding of PC Power		
	a. Know common power supply connectors and features		
	b. Install, maintain and troubleshoot power supplies		
5.	Demonstrate in-depth knowledge and understanding of Hard Drives		
	a. Install hard drives		
	b. Configure CMOS and HDD Drivers installation		
	c. Troubleshoot HDD installation issues		
	d. HDD partitions for MS Widows OS		
	e. Hard Drive formatting		
	f. HDD maintenance		
	g. HDD troubleshooting		
6.	Demonstrate knowledge and understanding of MS Widows CLI		
	a. Explain operation of the Command Line Interface		
	b. Execute fundamental commands from CLI		
	c. Manipulate lines from the command line		
	d. Accessing CLI as Administrator		
7.	Demonstrate understanding of securing Windows Resources		
	a. Create and administer Windows Users and Groups		
	b. Define and utilize NTFS permission for authorization		
	c. Describe how to share a Windows computer securely		

8.	Demonstrate in-depth knowledge and understanding of Using and Troubleshooting MS Windows		
a.	Identify OS folders in Win2K, XP, Vista		
b.	Describe the utilities in MS Windows essential to techs		
c.	Troubleshoot MS Windows		
9.	Demonstrate in-depth knowledge and understanding of input and output		
a.	Support common input and output ports		
b.	Install optical drives		
c.	Install FDDs		
d.	Troubleshoot optical removable media and drives		
10.	Demonstrate in-depth knowledge and understanding of Video and Multimedia		
a.	Install and configure video		
b.	Describe PC sound implementation		
c.	Troubleshoot multimedia problems		
11.	Demonstrate in-depth knowledge and understanding of Portable Computing		
a.	Enhance and upgrade portable computers		
b.	Manage and maintain portable computers		
c.	Troubleshoot portable computers		
12.	Demonstrate in-depth knowledge and understanding of Printing		
a.	Explain laser printing process		
b.	Installing a printer in MS Windows environment		
c.	Troubleshooting printers		
13.	Demonstrate in-depth knowledge and understanding of Local Area Networking		
a.	Understand what Network Operating System is		
b.	Install and configure wired networks		
14.	Demonstrate in-depth knowledge and understanding of Wireless Networking		
a.	Install wireless networks		
b.	Configure wireless networks		
c.	Troubleshoot wireless networks		
15.	Demonstrate in-depth knowledge and understanding of Internet		
a.	Connect to the Internet		
b.	Use the Internet Software tools		
16.	Demonstrate in-depth knowledge and understanding of Computer Security		
a.	Explain threats		
b.	Describe key security concepts and technology		
c.	Explain how to protect computers from network threats		

Teacher signature _____ Date _____