



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.

CSC121A Network Fundamentals

Task		Satisfactory	Unsatisfactory
1.	Explain the importance of data networks and the Internet as a platform to support business .communications and everyday tasks.		
2.	Explain how communication occurs in data networks and the Internet.		
3.	Describe the devices and services that support communication across an Internetwork.		
4.	Use network protocol models to explain the layers of communications that occur in data networks.		
5.	Explain the role of protocols in data network communications.		
6.	Describe the importance of addressing and naming schemes at various layers of data networks.		
7.	Describe the protocols and services provided by the application layer in the OSI model and describe how this layer operates in simple networks.		
8.	Analyze the operations and features of the OSI model transport layer protocols and services.		
9.	Analyze the operations and feature of the OSI model network layer protocols and services and explain the fundamental concepts of routing.		
10.	Design, calculate, and apply an appropriate addressing scheme to fulfill given requirements.		
11.	Describe the operation of protocols at the OSI data link layer and how they support communications.		
12.	Explain the role of physical layer protocols and services in supporting communications across data networks.		
13.	Explain fundamental Ethernet concepts, media, services, and operation.		
14.	Employ basic cabling and network designs to connect devices for a given network requirement.		
15.	Build a simple Ethernet network using routers and switches.		
16.	Use Cisco CLI commands to perform basic router and switch configuration and verification		

Teacher signature _____ Date _____