CISCO IV: CONNECTING NETWORKS
ARTICULATION

Pierce County Careers Connection
Dual Credit Articulation Agreement

Upon completion of high school courses or equivalent to the following competencies:

☐	**This course discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students will also develop the knowledge and skills needed to implement virtual private network (VPN) operations in a complex network.** **Students who complete this course will be able to perform the following functions:**
	Understand and describe different WAN technologies and their benefits.
	Understand and describe the operations and benefits of virtual private networks (VPNs) and tunneling.
	Understand, configure, and troubleshoot serial connections.
	Understand, configure, and troubleshoot broadband connections.
	Understand, configure, and troubleshoot tunneling operations.
	Understand, configure, and troubleshoot Network Address Translation (NAT) operations.
	Monitor and troubleshoot network operations using syslog, SNMP, and NetFlow.
	Understand and Describe Network Architectures:
	- **Borderless networks**
	- **Data centers and virtualization**
	- **Collaboration technology and solutions**

A student earning a "B" grade or better may earn college credit at the following college:

College	Course	Credits
Bates Technical College	CNST 202	5
Clover Park Technical College	NSSC 205	5
Pierce College	CNE 244	5

Revised: 5/2017