

**CISCO IV**  
**College Credit and Careers Network**  
**Dual Credit Articulation Agreement**

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

Learning Outcomes

- Perform switch and router configurations.
- Modify router configuration to accommodate increased network traffic.
- Describe Frame Relay, Integrated Services Digital Network (ISDN) and Point-to-Point Protocol (PPP).
- Describe the Wide Area Network design process as it applies to the Physical, Data Link and Network layers.
- Maintain network configuration and design documentation.
- Explain the four-phase PPP session process.
- Add PPP, Password Authentication Protocol (PAP) and Challenge Handshake Authentication Protocol (CHAP) to a router configuration.
- Add ISDN to a router configuration.
- Add Frame Relay to a router configuration.
- Design a Wide Area Network.

Course Content

- WANs
- WAN Design
- Point-to-Point Protocol
- Integrated Services Digital Network (ISDN)
- Frame Relay
- Network Management
- Network + Certification Exam Review
- CCNA Exam Preparation

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**A student earning a “B” or better may earn college credit at the following college:**

<u>College</u>	<u>Course</u>	<u>Credits</u>
Bellevue College	NSCOM 204	5
Cascadia Community College	BIT 233	4