

SKILLS CERTIFICATE - CISCO CERTIFICATION: CISCO CERTIFIED NETWORK ASSOCIATE (CCNA) ROUTING AND SWITCHING PREPARATION

CSCO 221	CCNA WAN Fundamentals	3
Semester Total		6
Total Units		14

This certificate prepares students to take the Cisco Certified Network Associate (CCNA) Routing and Switching exams. This certification validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks.

These courses may not transfer to a baccalaureate degree of art or science within the universities in the Nevada System of Higher Education (NSHE).

Certificate Outcomes

Students completing the certificate will:

- Perform basic configurations of network devices.
- Configure and troubleshoot basic operations of routers in a complex routed network for IPv4 and IPv6 using OSPF, EIGRP, and RIP.
- Configure and troubleshoot serial and broadband connections.

Skills Certificates provide training for entry level positions or career advancement and are designed to prepare students to take state, national and/or industry-recognized certifications or licensing exams. Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester (Student are unable to declare intent to complete a skills certificate.) Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0
2. Have no financial or library obligation to the college

Certificate Requirement

CSCO 120	CCNA Internetworking Fundamentals	4
CSCO 121	CCNA Routing and Switching Essentials	4
CSCO 220	CCNA Scaling Networks	3
CSCO 221	CCNA WAN Fundamentals	3
Total Units		14

Course	Title	Units
1st semester		
CSCO 120	CCNA Internetworking Fundamentals	4
Semester Total		4
2nd semester		
CSCO 121	CCNA Routing and Switching Essentials	4
Semester Total		4
3rd semester		
CSCO 220	CCNA Scaling Networks	3