



Certificate of Course Completion

wiem hammemi

has successfully achieved student level credential for completing the CCNA: Enterprise Networking, Security, and Automation course.

The student was able to proficiently:

- Configure single-area OSPFv2 in both point-to-point and multiaccess networks.
- Explain how to mitigate threats and enhance network security using access control lists and security best practices.
- Implement standard IPv4 ACLs to filter traffic and secure administrative access.
- Configure NAT services on the edge router to provide IPv4 address scalability.
- Explain techniques to provide address scalability and secure remote access for WANs.
- Explain how to manage, optimize, monitor, and troubleshoot scalable network architectures and protocols.
- Explain how networking devices implement QoS.
- Explain how technologies such as virtualization, software defined networking, and automation affect evolving networks.



Lynn Bloomer

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Director, Cisco Networking Academy