

Certificate of Course Completion

Rene Kärkkäinen

*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