

Certificate of Course Completion

## CCNA Routing and Switching: Routing and Switching Essentials

The student has successfully achieved student level credential for completing CCNA Routing and Switching: Routing and Switching Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Determine how a router will forward traffic based on the contents of a routing table.
- Explain how switching operates in a small to medium-sized business network.
- Use monitoring tools and network management protocols to troubleshoot data networks.
- Configure monitoring tools available for small to medium-sized business networks.
- Configure initial settings on a network device.
- Configure Ethernet switch ports.
- Implement VLANs.
- Implement static routing and RIPv2.
- Implement DHCP on a router.
- Implement network address translation (NAT).
- Implement access control lists (ACLs) to filter traffic.

**Daniel Sebastian Hernandez Ochoa**

Student

**Instituto Tecnológico de Durango**

Academy Name

**Mexico**

Location

**José Ruiz Carrete**

Instructor

**08-ene-2019**

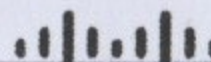
Date

Instructor Signature



TECNOLÓGICO NACIONAL DE MÉXICO  
INSTITUTO TECNOLÓGICO DE DURANGO  
Departamento de Sistemas y Computación



  
**CISCO**  
Networking Academy