



# Information Technology

## Learning Series

### Cisco Professional

#### Course Description

This program provides students with the essential knowledge to install, configure, and operate simple routed LANs and WANs and obtain Cisco® CCNA® certification training.

#### Competency Goals:

- Install, configure, & manage system components & network connections.
- Troubleshoot system components.
- Maintain and troubleshoot installations of Microsoft Windows.
- Identify network technologies.
- Support laptops and portable computing devices and printers
- Identify personal computer security concepts.
- Support personal computer security.
- Review how to configure and troubleshoot a small network
- Expand a small-sized, switched LAN to a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree
- Describe routing concepts as they apply to a medium-sized network and discuss considerations when implementing routing on the network
- Configure, verify, and troubleshoot OSPF
- Configure, verify, and troubleshoot EIGRP
- Determine how to apply ACLs based on network requirements, and configure, verify, and troubleshoot ACLs on a medium-sized network
- Describe when to use NAT or PAT on a medium-sized network and configure NAT or PAT on routers, and explain IPv6 addressing and configure IPv6 in a Cisco router
- Identify and implement the appropriate WAN technology that is based on network requirements



#### Sample Job Titles:

Systems Administrator, Network Administrator, Network Engineer, Information Technology Specialist (IT Specialist), Local Area Network Administrator (LAN Administrator), Information Technology Manager (IT Manager), Information Technology Director (IT Director), Systems Engineer, Network Manager, Network Specialist, or other similar jobs.

**Tuition:** \$3,750.00



50 Vantage Way, Suite 201  
Nashville, TN 37228  
[www.labfour.com](http://www.labfour.com)  
(855) LAB-FOUR

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