

# **Cisco Certified Network Associate (CCNA)**

*The Cisco Networking Academy curriculum prepares students for industry standard and vendor-neutral certifications*



The Cisco Networking Academy Program provides students with essential Internet technology skills. Learn how to install and configure Cisco switches and routers in multiprotocol networks using local and wide area networks, provide Level 1 troubleshooting service, and improve network performance and security.

## **Campus**

MWCC Leominster Campus & Corporate Training Center, 100 Erdman Way, Leominster, MA, 01453, (978) 840-3221, email [leominster@mwcc.mass.edu](mailto:leominster@mwcc.mass.edu)

## **Credit or Noncredit**

This is a noncredit program and does not offer credit toward an academic degree. Most individuals take these courses to enhance their skills or for professional advancement.

## **Who will benefit**

Those with a strong interest in the technology and a willingness to learn. Students need very little experience with computer technology to succeed in the program.

## **Program length**

Four semesters, 42 hours per semester. Classes are offered both days and evenings. The entire program can be completed in five months or less.

**Price:** \$1,200 per semester

## **Certification**

Upon successful completion of semester I-IV, take and pass the Cisco Certified Network Associate exam to become CCNA certified.

## **Special program requirements**

Students must pass a skills-based and written final at the end of each semester to enroll in the next semester of training.

## **Career options**

Information technology support, system administrator, technical administrator, or support engineer.

## **Earning potential**

\$27,680 - \$56,000 per year, depending on position.

## **Course list**

### **Semester I: Basics of Networking**

This course is a beginner's look at networks, including the different types and how they work.

### **Semester II: Intermediate Networking Techniques**

Gain valuable insight into networking protocols and learn to connect your network with the ever-growing Internet. The basics of Cisco routers and terminal access servers are covered and are a precursor to advanced networking techniques.

### **Semester III: Advanced Router and Switching**

Introduces advanced router configurations, advanced LAN switching theory and design, VLANs, Novell IPX, and threaded case studies. Upon completion, you should be able to describe LAN and network segmentation with bridges, router, and switches and describe a virtual LAN.

### **Semester IV: Advanced Router & Switching II**

Introduces WAN theory and design, WAN technology, PPP, Frame Relay, ISDN, and additional case studies. Learn to provide solutions for network routing problems, identify ISDN protocols, channels and function groups, and describe the Spanning Tree protocol.

**Upon successful completion of semester I-IV, take and pass the CCNA exam to become CCNA certified. Stop here, or continue toward Cisco Certified Network Professional certification.**

## **For more information**

For a schedule of when course are offered, call (978) 630-9124 or check our website: [www.mwcc.edu](http://www.mwcc.edu). Click on "Lifelong Learning."

For more specific program information, contact Robert Morand, director of technology and certification training, (978) 840-3221, [rmorand@mwcc.mass.edu](mailto:rmorand@mwcc.mass.edu)