

Cisco Certified Entry Network Technician (CCENT) Cisco Certified Network Associate (CCNA)



SPRING 2012

OUR PARTNERSHIP



The Cisco Networking Academy Program is a partnership between Cisco Systems, education, business, government, and community organizations around the world. The program is an e-learning module that delivers web-based educational content, on-line testing, student performance tracking, and instructor training and support, as well as hands-on labs and curriculum centered on teaching students to design, build, and maintain computer networks. Monroe Community College, in collaboration with Monroe #1 BOCES, is participating in this program.

Formally launched in 1997 the Networking Academy program teaches participants to design, build, and maintain networks. The program combines lectures and on-line learning with hands-on laboratory exercises in which students apply what they learn in class while working on actual networks. This curriculum prepares the participants for lifelong opportunities in the real world.

Who is Cisco

Cisco Systems is the worldwide leader in networking for the Internet. Cisco's networking solutions connect people, computing devices and computer networks, allowing people to access or transfer information without regard to differences in time, place or type of computer system.

Cisco provides end-to-end networking solutions that customers use to build a unified information infrastructure of their own, or to connect to someone else's network. An end-to-end networking solution is one that provides a common architecture that delivers consistent network services to all users. The broader the range of network services, the more capabilities a network can provide to users connected to it.

Cisco's offers the industry's broadest range of hardware products used to form information networks or give people access to those networks; Cisco IOS® software, which provides network services and enables networked applications; expertise in network design and implementation; and technical support and professional services to maintain and optimize network operations. Cisco is unique in its ability to provide all these elements, either by itself or together with partners.

Cisco is one of America's greatest corporate success stories. Since shipping its first product in 1986, the company has grown into a global market leader that holds No. 1 or No. 2 market share in virtually every market segment in which it participates. Since becoming a public company in 1990, Cisco's annual revenues have increased from \$69 million in that year to \$18.9 billion in fiscal 2000. As measured by market capitalization, Cisco is among the largest in the world.

ABOUT MCC/MONROE # 1 BOCES PROGRAM - CISCO CERTIFIED ENTRY NETWORKING TECHNICIAN (CCENT)

The Cisco CCENT certification validates the skills required for entry-level network support positions, the starting point for many successful careers in networking. Candidates will gain the knowledge and skill to install, operate and troubleshoot a

small enterprise branch network, including basic network security. CCENT certification is the first step (in our program this certification is the first half of the CCNA program) toward achieving Cisco Certified Network Associate (CCNA), which covers medium size enterprise branch networks with more complex connections.

Along with instructor led classes and hands-on labs we also use computer-based training modules developed by Cisco. Access to these modules will be via the Cisco Academy web site. Academy course material can be accessed anywhere from the web and thus provides students with the opportunity to study outside of class. In addition, there are printed first and second-year companion guides and lab manuals that both reinforce and supplement the online material. The companion guides and lab manuals are accompanied by compact disks, each of which contains a wealth of supplemental material including movies, Flash animations, and lab simulations. The web-based multimedia modules are well constructed and include pre-and post-tests. There are unit tests after each chapter as well as quarterly exams. Students must complete each quarterly exam with a minimum score in order to proceed to the next section's material.

The biggest advantage of the program is the use of our certified instructors and the hands-on lab exercises that make up a significant portion of the Academy training. The exercises developed by Cisco are well prepared and follow closely with the information contained in the training modules. These labs will enhance the student's understanding of the concepts presented in the training modules.

Together, the combination of certified instructors, web-based modules, printed texts, and hands-on labs, this program will provide the all tools necessary to prepare Academy students for success when taking the CCENT exam.

Based on Cisco's course, Interconnecting Cisco Networking Devices Part 1 (ICND1) v1.0. This course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small branch office Enterprise network, including configuring a switch, a router, and connecting to a WAN and implementing network security. A Student should be able to complete configuration and implementation of a small branch office network under supervision.

This class consists of six modules:

Module 1 - Building a Simple Network	Module 4 - Exploring the Functions of Routing
Module 2 - Ethernet Local Area Networks	Module 5 - Wide Area Networks
Module 3 - Wireless Local Area Networks	Module 6 - Network Environment Management

CERTIFICATION TESTING

The Cisco Certified Entry Networking Technician exam is 640-822 Interconnecting Cisco Networking Devices Part 1 (ICND1). Certification exams are offered at locations throughout the world through Prometric (www.prometric.com) or VUE (www.vue.com).

MCC cannot assume responsibility for the participant's ability to pass certification exams. The participants must do that themselves. MCC will attempt to provide all the necessary course material in a quality environment conducive to learning.

ABOUT MCC/MONROE # 1 BOCES PROGRAM - CISCO CERTIFIED NETWORK ASSOCIATE (CCNA)

The CCNA certification (Cisco Certified Network Associate) indicates a foundation in and apprentice knowledge of networking for the small office/home office (SOHO) market. CCNA certified professionals can install, configure, and operate LAN, WAN, and dial access services for small networks (100 nodes or fewer), including but not limited to use of these protocols: IP, IGRP, IPX, Serial, AppleTalk, Frame Relay, IP RIP, VLANs, RIP, Ethernet, and Access Lists.

The program is a continuation of the CCENT curriculum and is taught in the same fashion as described above.

OUR CCNA PROGRAM WILL COVER THE FOLLOWING AREAS:

Part 1: is based on Cisco's course, Interconnecting Cisco Networking Devices Part 1 (ICND1) v1.0, as described above in the CCENT program

Part 2: is based on Cisco's course, Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.0. This course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small to medium-size branch office Enterprise network, including configuring several switches and routers, connecting to a WAN and implementing network security.

This class consists of eight modules:

Module 1 - Small Network Implementation	Module 5 - EIGRP Implementation
Module 2 - Medium-Sized Switched Network Construction	Module 6 - Access Control Lists
Module 3 - Medium-Sized Routed Network Construction	Module 7 - Address Space Management
Module 4 - Single Area OSPF Implementation	Module 8 - LAN Extension to a WAN

Overall the program will provide 147 hours of instruction over a six-month period. Training sessions will be provided twice a week for 22 weeks. Each training session will run for approximately 3.5 hours. The training dates are identified at the end of this document.

CERTIFICATION TESTING

We recommend that our participants take the 640-816 Interconnecting Cisco Networking Devices Part 2 (ICND2) exam as a follow-up to the first half of the class. This would then require the CCNA candidate to pass two exams.

Candidates could also select to only take the one exam 640-802 Cisco Certified Network Associate (CCNA), which is the composite exam associated with this certification. Successful completion of either route will result in CCNA certification. MCC is recommending the two exams as it provides more of a stepping stone opportunity to CCNA certification.

In either case, the certification exams are offered at locations throughout the world through VUE (www.vue.com).

MCC cannot assume responsibility for the participant's ability to pass certification exams. The participants must do that themselves. MCC will attempt to provide all the necessary course material in a quality environment conducive to learning.

WHY THESE CERTIFICATIONS, AND THIS PROGRAM, MIGHT BE RIGHT FOR YOU...

Most important is our approach to learning these technologies. We will provide high quality, certified instructor lead training, over an extended period of time, with plenty of "hands-on" opportunity. We feel that this combination is a great alternative for people seeking to learn this information. This is not an "intensive", or "crash" course. A typical certification course at a private training center runs from Monday through Friday, 8:30 am to 4:30 p.m. This delivery is optimum for a seasoned IT professional whose employer will provide the time away from work and pay the program fee. The same course in this program would be delivered over a five to seven week period, two nights a week, four hours per session. Generally our participants find it difficult to find the time during normal business hours to attend such training and this two-night a week schedule is one that they can maintain. Given the complexity of this program, time will be a great asset to properly learning the information.

By offering this program we feel we have created an excellent way to enhance your current position, or provide you with the skills necessary to seek a new one. Despite current employment conditions, the United States Department of Labor still projects that over the next ten years, three out of the ten fastest growing occupations will be in information technology. Feel free to review the report at: <http://www.acinet.org/acinet/oview1.asp?soccode=&stfips=&from=National&Level=Overall&x=37&y=7>

Monroe Community College, in collaboration with Monroe #1 BOCES, have joined together to provide the necessary training to prepare for these exams. We feel we have created a way to either enhance your current position, or provide you with the skills necessary to seek a new one. Most important is our approach to learning these technologies. We will provide high quality, instructor supervised training, over an extended period of time, with plenty of "hands-on" opportunity. We feel that this combination is the right alternative for people seeking to really learn this information. This is not an "intensive", or "crash" course.

PREREQUISITES:

This program is a great way to advance your career in information technology. You should have advanced "end-user" experience to include knowledge of DOS, Windows 95, 98 & 2000 as well as sound hardware knowledge. A+ certification or equivalent experience is preferred.

COST:

The fee for the CCENT program is: \$2,400 and includes all materials (exam not included).

The fee for the CCNA program is: \$4,500 and includes all materials (and includes the CCENT program) (exam not included).

PROGRAM SCHEDULE

CCENT dates:

April 16 – June 27, 2012

Monday & Wednesday evenings, 6–9:30 p.m.

April: 16, 18, 23, 25 & 30

May: 2, 7, 9, 14, 16, 21, 23, & 30

June: 4, 6, 11, 13, 18, 20, 25 & 27

CCNA dates (in addition to the CCENT dates):

July 9 – September 24, 2012

Monday & Wednesday evenings, 6–9:30 p.m.

July: 9, 11, 16, 18, 23, 25 & 30

August: 1, 6, 8, 13, 15, 20, 22, 27 & 29

September: 10, 12, 17, 19 & 24

APPLICATION PROCEDURE

At this time on-line registration is unavailable for this program. If you're interested in attending please contact Charles Caples at 585-262-1429 or ccaples@monroecc.edu.

CANCELLATION / REFUND POLICY

You may cancel your registration 10 business days prior to the start of the program. The request must be received in writing. Cancellations received later than this date are subject to forfeiting the application deposit. You will receive a full refund if you cancel within the allotted time. Refunds will be made within 60 days of cancellation. If a student attends a portion of the program, and does not complete, the student will be liable for:

1. The registration deposit
2. The cost of any textbooks or supplies accepted
3. Tuition liability as of the day the student notifies MCC of his/her desire to cancel from the class
4. No refunds are available after program completion

The effective termination for refund purposes will be the earliest of either the last date of attendance or the date of receipt of written notice from the student. The tuition liability will be a pro rata refund for the remaining class hours for students who cancel from class according to the following table:

If termination occurs

MCC may keep

0-3% of the program	00% (only the application deposit)
4-15% of the program	20%
16-30% of the program	40%
31-45% of the program	60%
46-60% of the program	80%
After 60% of the program	100%

For questions please call:

Chuck Caples (585) 262-1429 or ccaples@monroecc.edu