

**CISCO CERTIFICATION PROGRAMS IN NETWORK TECHNOLOGY**

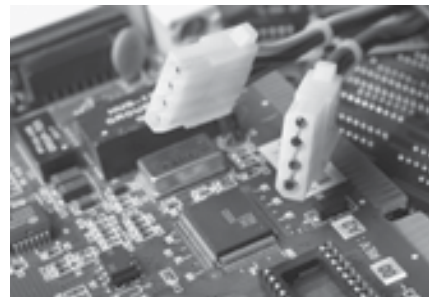
Our primary focus is to train network specialists, IT technicians, LAN/WAN engineers, and professionals in the skills necessary for success in the field of Internet technology.

Our academy provides training and support to 20 local academy instructors and students in Queens and the greater metropolitan area. Queens College is one of four colleges (including Columbia, NYU, and Stanford) selected by Cisco to host the International E-Learning Conference for Educational Leaders in Europe.

Students with limited computer knowledge and no experience in networking may find it useful to begin with our new introductory course, Basic Networking.

For up-to-date information, visit our web site: [www.qc.cuny.edu/cisco](http://www.qc.cuny.edu/cisco)

CCNA program for agency-funded students (VESID, SBS, etc.) should call for a schedule at 718-997-4984. Students with low income may qualify for a **FREE** program.



**CISCO CERTIFIED NETWORK PROFESSIONAL PROGRAM (CCNP)**

CCNP is a certificate program for professionals working with traditional Cisco-based networks, primarily including LAN and WAN routers and LAN switches. Learn to install, configure, operate, and troubleshoot complex Cisco-based networks and enhance reliability and quality of service.

*Prerequisite: Cisco Certified Network Associate Program & CCNA certification.*

Fees: \$1,350 per course plus nonrefundable \$20 registration. Payment plan available.

**REQUIRED COURSES**

- CP-795 CCNP Certification 1
- CP-796 CCNP Certification 2
- CP-797 CCNP Certification 3
- CP-798 CCNP Certification 4\*

*\*Not offered this semester*

**CP-795, Section TR21-QC  
CCNP Certification 1, Learn to Build Scalable Cisco Networks**

- Tuesday and Thursday, 6:30 - 9:30 p.m.  
June 5 - July 19  
\$1,350 • 15 sessions • TBA

**CP-796  
CCNP Certification 2**

- Please note: curriculum has been revised for Fall 2007

**CP-797, Section TR11-QC  
CCNP Certification 3, Build Cisco Multilayer Switched Networks**

- Tuesday and Thursday, 6:30 - 9:30 p.m.  
June 26 - August 14  
\$1,350 • 16 sessions • Salvador Morales

**CP-798  
CCNP Certification 4**

- Not offered this semester

**CISCO CERTIFIED NETWORK ASSOCIATE (CCNA)**

Prepare for the CCNA certification exam and gain the skills needed to enter the computer networking workforce. After passing the exam, get your CCNA certificate.

**REQUIRED COURSES**

- CP-750 CCNA Semester 1, v.3.1
- CP-751 CCNA Semester 2, v.3.1
- CP-752 CCNA Semester 3, v.3.1
- CP-753 CCNA Semester 4, v.3.1

**CP-750, See Sections Below-QC  
CCNA Semester 1, v.3.1**

Teaches the basic network design, LAN Switching, TCP/IP, WAN, and Signals, OSI model and industry standards, Network topologies, IP addressing, including subnet masks, and Networking components. Comprehend how the network operates. Hands-on labs are provided. This course is comparable to CP-771.

- Section SU11  
Sunday, 10:00 a.m. - 5:00 p.m.  
June 17 - August 12  
\$800 • 9 sessions • TBA
- Section MW22  
Monday & Wednesday, 6:00 - 9:45 p.m.  
June 25 - August 13  
\$800 • 16 sessions • TBA

**CP-751, See Sections Below-QC  
CCNA Semester 2, v.3.1**

Learn about the Router and WANs, how to use a router, routed and routing protocols, router configurations, CISCO IOS and IP sub-netting.

*Prerequisite: CP-750.*

- Section SA11  
Saturday, 10:00 a.m. - 5:00 p.m.  
June 9 - August 18  
\$800 • 9 sessions • TBA
- Section TR22  
Tuesday & Thursday, 6:00 - 9:45 p.m. July 10 - August 30  
\$800 • 16 sessions • TBA

**CP-752, See Sections Below-QC  
CCNA Semester 3, v.3.1**

A quick tour and review of the OSI Reference Model and Routing: LAN Switching, Virtual LANs (VLANs), LAN Design, and more.

*Prerequisite: CP-751.*

- Section SA11  
Saturday, 10:00 a.m. - 5:00 p.m.  
June 2 - July 28  
\$800 • 9 sessions • TBA
- Section SA12  
Saturday, 10:00 a.m. - 5:00 p.m.  
August 25 - October 20  
\$800 • 9 sessions • TBA
- Section MW23  
Monday and Wednesday, 6:00 - 9:30 p.m.  
July 16 - September 12  
\$800 • 16 sessions • TBA

**CP-753, See Sections Below-QC  
CCNA Semester 4, v.3.1**

Learn the design and support of the WAN switching network; case study hands-on exercises, and more.

*Prerequisite: CP-752.*

- Section TR21  
Tuesday and Thursday, 6:00 - 9:30 p.m.  
June 12 - August 2  
\$800 • 16 sessions • TBA
- Section SU12  
Sunday, 10:00 a.m. - 5:00 p.m.  
July 1 - August 26  
\$800 • 9 sessions • TBA



## CISCO REGIONAL-LOCAL TRAINING ACADEMY

Ruby Chua, Director

### HOME TECHNOLOGY INTEGRATOR (HTI+) CERTIFICATION

The CompTIA HTI+ certification exam is the leading vendor-neutral certification for technicians in the automated home industry who install and network digitally-based security, audio and video, computer heating and air conditioning, cable and satellite, and telecommunications systems.

There is a rapidly growing need for qualified technicians to set up and maintain networked security, environment, and home entertainment systems. Work for a large corporation or start your own installation business-either way. HTI+ certification is the credential you need for the 21st century.

#### CP-770, Section TR21-QC HTI+ Exam Prep

Study for two HTI+ certification exams and become qualified to bring home technology into the 21st century. This course is made up of three modules.

Module 1: Basic Network

Module 2: HTI+ Residential Systems

Module 3: HTI+ Systems Infrastructure and Integration.

*Not offered this semester.*

### CISCO CERTIFIED SECURITY PROFESSIONAL PROGRAM (CCSP)

The CCSP Program offers preparation of the Cisco Security Plus exam.

#### CP-755, Section SA11-QC Cisco Network Security I: Routing IOS Security

Emphasizes overall security processes, including basic and advanced security vulnerabilities, hands-on skills in security policy design and management, security technologies, architecture, products, solutions, and design.

*Prerequisite: CCNA Certificate or equivalent courses.*

- **Saturday, 10:00 a.m. - 3:30 p.m.**  
**June 16 - August 4**  
**\$750 • 8 sessions • TBA**

#### CP-756, Section SA11-QC Cisco Network Security II: PIX Firewall

Learn to install basic and advanced firewalls. Learn to configure, monitor, maintain, and secure the designed network. Emphasizes the implementation of AAA and VPN using Cisco routers and PIX firewalls.

*Prerequisite: CP-755 or equivalent courses*

- **Saturday, 10:00 a.m. - 3:30 p.m.**  
**August 11 - October 13**  
**\$750 • 8 sessions • TBA**

#### CP-757, Section SA11-QC Cisco Wireless LANs

Offers a comprehensive overview of wireless LANs — design, planning, implementation, operation, troubleshooting, and more.

*Prerequisite: CP-750 & CP-751*

- **Saturday, 10:00 a.m. - 3:15 p.m.**  
**June 23 - August 25**  
**\$750 • 10 sessions • TBA**

### CISCO CERTIFIED VOICE PROFESSIONAL PROGRAM (CCVP)

This program offers preparation for Cisco Voice Professional exams:

#### CP-760, Section SA11-QC Voice over Internet Protocol (VoIP)

Enables you to choose the best way of carrying voice calls over an IP network including digitization and packetization of voice and design. Learn to design, configure, and integrate a network. The class emphasizes IP telephony's use of VoIP standards to create a system with advanced call routing, voice mail, and contact center.

*Prerequisite: Basic Networking or equivalent courses*

- **Saturday, 10:00 a.m. - 2:30 p.m.**  
**June 30 - August 18**  
**\$995 • 8 sessions • TBA**

#### CP-761 Cisco IP Telephony I (CIPT I)

Learn to install, configure, and maintain a Cisco IP telephony solution. Focus is primarily on Cisco CallManager, the call routing and signaling component for the Cisco IP telephony solution. Includes lab practice where students can install and configure Cisco CallManager, configure gateways, gatekeepers, and switches; and build route plans to place intra- and intercluster Cisco IP phone calls.

*Prerequisite: CP-760-VOIP or Cisco Switching*

- **Class schedule to be announced**

#### CP-762 Cisco IP Telephony II (CIPT II)

Teaches the advanced features of Cisco CallManager. Enables students to configure the applications to support video calls and conferencing; and to extend the capabilities of Cisco CallManager. Focuses on securing and managing IP communications network, and solutions with internal server tools.

*Prerequisite: CP-760-VOIP or Cisco Switching*

- **Class schedule to be announced**

#### CP-763 Voice IP Telephony Troubleshooting (IPTT)

Teaches the effective troubleshooting methods used to resolve issues in complex IPT networks. Topics include: troubleshooting common Call Manager configuration, integration, and operation problems; troubleshoot common router, switch, gateway configuration, and problems in AVVID networks.

- **Class schedule to be announced**

#### CP-764 Cisco Voice Quality of Service

Provides students with knowledge of IP Quality of Service requirements, conceptual models using Differentiated Services (DiffServ), Integrated Services (IntServ) and Best Effort (over provisioning), and the implementation of IP QoS on Cisco IOS switch and routers platforms. Case studies provided to apply the concepts and techniques presented in individual modules to real-life situations.

- **Class schedule to be announced**

#### CP-765 Implementing Gateways and Gatekeepers

Provides hands-on experience in configuration and deployment gateways and gatekeepers. Provides individuals with the knowledge and skills required to integrate gateways and gatekeepers into an enterprise and service provider voice over IP network.

- **Class schedule to be announced**

### IT CABLING CERTIFICATE PROGRAM

Prepares individuals for certification in IT Cabling. Teaches basic cabling system, design structure, installation, administration and testing of various types of cables and fiber optic cabling systems. The training concentrates on developing individuals' skills for terminating, testing and troubleshooting, as well as dressing. Students must complete five modules: Basic Networking, Cabling I, Cabling II, Cabling III-Fiber Optic, and Cabling Safe Working Practices. Those students who successfully complete this program have a good chance of being employed by Cablevision if they pass the necessary testing and background requirements. Also note that Cablevision employment requires a valid NY State Driver License with a good driving history.

*Prerequisite: Computer knowledge or A +*

#### REQUIRED COURSES

- CP-771 Basic Networking
- CP-772 Cabling I
- CP-773 Cabling II
- CP-774 Cabling II — Fiber Optic
- CP-775 Safe Working Practices and Principles

Register Online!  
<http://www.qc.cuny.edu/cep>



### CP-771, See Sections Below-QC Basic Networking

Learn network computer basics, OSI Model, Local Area Networks (LANs), Layer 1-Electronics and Signals, Design and Communication; Structured Cabling Project. This course is comparable to CP-750.

- **Section SU11**  
Sunday, 10:00 a.m. - 5:00 p.m.  
June 17 - August 12  
\$800 • 9 sessions • TBA
- **Section MW22**  
Monday & Wednesday, 6:00 - 9:45 p.m.  
June 25 - August 13  
\$800 • 16 sessions • TBA

### CP-772, Section SA11-QC Cabling I

Teaches the types of cabling and telecommunications cabling installation, termination and testing practices. Learn to define specific NEC codes that must be followed when installing telecommunications cables in commercial buildings. Understanding ANSI/TIA/EIA-568-B Cabling Standards is emphasized.

- **Saturday, 10:00 a.m. - 4:00 p.m.**  
July 14 - August 4  
\$520 • 4 sessions • TBA

### CP-773, Section SA11-QC Cabling II—Designing Structures and Cable Systems

Teaches the process of designing a structured cabling system and the supporting structures in the commercial and multi-tenant residential buildings for voice and data applications. Teaches how the structures cabling system is broken down into a category of interconnected subsystems using Coax/Ethernet. Hands-on labs are provided.

- **Saturday, 10:00 a.m. - 4:00 p.m.**  
August 11 - October 6  
\$750 • 8 sessions • TBA

### CP-774, Section SU11-QC Cabling III—Fiber Optic

Shows step-by-step instructions for each stage of fiber optic cabling installation and testing according to TIA/EIA-568-B cabling standards. Describes the steps for performing link engineering to verify that a fiber optic cabling system will work for different network technologies including 10Base-F, 100Base-X, 1000Base-X, FDDI and ATM. Hands-on labs are provided.

- **Sunday, 10:00 a.m. - 5:00 p.m.**  
August 19 - October 7  
\$850 • 8 sessions • TBA

### CP-775, Section SA11-QC Cabling Safe Working Practices

This hands-on interactive course provides students with an understanding of communications principles and how they are applied in modern communications systems. Students will also gain essential knowledge and skills to ensure they can work safely on site when installing communications cabling.

- **Saturday, 10:00 a.m. - 4:00 p.m.**  
October 6 and October 13  
\$230 • 2 sessions • TBA

### CISCO NETWORKING ACADEMY IT SUPPORT/HELP DESK TECHNICIAN CERTIFICATE PROGRAM

After completion of Cisco IT Essentials I course, students are prepared for CompTIA's **A+ Essentials** exam and three CompTIA job environment certification exams: **IT Technician** (602), **Remote Support Technician** (603), and **Bench Technician** (604). Cisco IT Essentials II will prepare students for a Server Plus exam. All exams are "industry-standard" certifications needed for a job as an IT Support/Helpdesk Technician.

#### REQUIRED COURSES

- CP-750 Basic Networking/Network+  
see page 23
- CP-776 Cisco IT Essentials I/A+
- CP-777 Cisco IT Essentials II

### CP-776, See Sections Below-QC Cisco IT Essentials I/A+: PC Hardware and Software

Students learn the functionality of hardware and operating systems components. Through hands on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, printer and troubleshoot hardware and software problems. After completion, students will develop the necessary skills to build a computer.

- **Section SU11**  
Sunday, 10:00 a.m. - 5:00 p.m.  
June 10 - August 12  
\$800 • 10 sessions • TBA
- **Section SA12**  
Saturday, 10:00 a.m. - 5:00 p.m.  
June 9 - August 11  
\$800 • 10 sessions • TBA

### CP-777, Section SU11-QC Cisco IT Essentials II: Network Operating Systems

This course is an intensive introduction to multi-user, multi-tasking networking operating systems. Characteristics of the Linux, Windows 2000, NT and XP network operating systems will be discussed. Students will explore a variety of topics including installation procedures, security issues, back up procedures and remote access.

*It is an excellent pre-cursor to CCNA program.  
Prerequisite: IT Essentials I*

- **Sunday, 10:00 a.m. - 5:00 p.m.**  
August 12 - October 21  
\$800 • 10 sessions • TBA



### CISCO NETWORKING ACADEMY SPONSORED PROGRAMS:

THE PANDUIT NETWORK  
INFRASTRUCTURE ESSENTIALS (PNIE)  
FOR GLOBAL CERTIFIED INSTALLER.

### CP-778, Section SA11-QC Panduit Network Infrastructure Essentials (PNIE) Program

This course aligns to the Panduit Authorized Installer (PAI) global certification and covers basic cable installer knowledge, how to build and administrate the physical layer of network infrastructure, and deeper understanding of the networking devices that this layer interconnects. This course helps students prepare for Global Panduit Certified Installer exam.

- **Saturday, 10:00 a.m. - 5:00 p.m.**  
July 14 - September 29  
\$850 • 10 sessions • TBA

**Register Online!**  
<http://www.qc.cuny.edu/cep>





CISCO REGIONAL-LOCAL TRAINING ACADEMY

Ruby Chua, Director

**SECURITY SYSTEM TECHNICIAN  
CERTIFICATE PROGRAM**

An awareness that cameras are in place provides people peace of mind. Cameras installed in places of business assure clients that they can make safe transactions 24 hours a day. With the use of cameras in homes, families are provided with the security that their properties are being monitored on a daily basis; and for individual use, personal cameras can be a tool to monitor business activities.

Security System Technician Certificate Program consists of three modules: **Basic Networking, Basic Cabling, and Electronic Security System/Surveillance.** This program provides hands-on experience to students which focuses on designing, installing, configuring, and maintaining the security system as a tool to monitor human activities. Topics include the analog and digital video surveillance systems, network-enabled for remote monitoring, keypad and card access control, intrusion detection, internet-enabled for remote administration and detailed reporting.

*Prerequisite: Computer basic knowledge*

**REQUIRED COURSES**

- CP-771 Basic Networking, see page 25
- CP-772 Cabling I, see page 25
- CP-779 Electronic Security System /Surveillance

**CP-779, See Sections Below-QC  
Electronic Security  
System/Surveillance**

Learn to quote, inspect, install, configure and troubleshoot most of the DVR (Digital Video Recording) system that actually exist in the security market. Learn how to set up 4, 8 or 16 cameras, configure full or motion sensor recording; also configure ports and high speed internet for remote view.

- **Section SU11**  
Sunday, 10:00 a.m. - 2:30 p.m.  
July 8 - August 19  
\$730 • 7 sessions • TBA
- **Section TR22-QC**  
Tuesday & Thursday, 6:00 - 9:00 p.m.  
July 17 - August 16  
\$730 • 10 sessions • TBA

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Placement Assistants:  
Alexis Greenidge or Leona Chin

Office Hours:  
Tuesdays & Thursdays  
9:00 a.m. - 2:00 p.m.




Our primary purpose is to train students to become successful network specialists, IT technicians, engineers and professionals in the field of Internet Technology.

Study at one of our local academies for the Cisco Networking Academy Program.

Visit our website for a complete list of courses & programs.

**[www.qc.cuny.edu/cisco](http://www.qc.cuny.edu/cisco)**



**NEW OFFERINGS!**

**Certified Internet Web Professional (CIW)  
Alarm System Certificate Program**

*Any individual approved for ITA Voucher (SBS Funding) will be eligible for a free program.*



## PROJECT MANAGEMENT PROFESSIONAL CERTIFICATE PROGRAM

Everybody is talking about projects. More companies are requiring certification and looking for skilled individuals to get projects started and successfully completed. But why do most projects fail to meet requirements? What does it take to be a successful project manager? Here is an opportunity to learn about project management via a hands-on approach. Familiarize yourself with the major areas of competency required to succeed in the field.

### PROGRAM DESCRIPTION

Project Management Professional (PMP) Certificate Program focuses on developing and improving the performance of projects and programs, either in the field of technology, finance/accounting, building construction and industrial expansion, or any other field which require project managers to initiate the projects: individuals with their current fields of expertise will be able to deploy the projects with competency after completion of this training program. This program is developed in alignment to PMI/CompTia standards. Completion of two modules, Introduction to Project Management and Advanced Project Management prepares students for the Project Management Institute (PMI) certification exam. **Textbooks required; must be purchased before first session.**

*Prerequisites: IT Certifications or currently holding a supervisory position in any field*

### REQUIRED COURSES

CP-785	Introduction Project Management
CP-786	Advanced Project Management
CP-787	Microsoft Visio
CP-788	Microsoft Project
BS-405	Exercising Leadership see page 20
BS-423	Managing Conflict, Diversity and Difficult People

### CP-785, See Sections Below-QC Introduction to Project Management

This course is an introduction to crucial Project Management Concepts such as planning, scoping, scheduling, critical path, managing stakeholders, budgeting, communication and change management.

- **Section MW21**  
Monday & Wednesday, 6:00 - 9:30 p.m.  
June 4 - July 2  
\$650 • 9 sessions • TBA
- **Section TR22**  
Tuesday & Thursday, 6:00 - 9:30 p.m.  
June 19 - July 17  
\$650 • 9 sessions • TBA

### CP-786, Section TR21-QC Advanced Project Management

This course is an in-depth study of advanced Project Management topics such as risk management, resource management, cost management and measurement, contract and vendor management. Project Management, and Book of Knowledge (PMBOK) and Case Study will be emphasized.

- **Tuesday & Thursday, 6:00 - 9:30 p.m.**  
July 24 - August 21  
\$650 • 9 sessions • TBA



### CP-787, Sections SA11-QC Microsoft Visio

Teaches you to use the business graphic application to create drawings 'virtual' plastic drawing stencils. Topics include Visio diagrams, organizational charts, website maps, and Microsoft Office documents. It emphasizes on solutions that help business professionals visualize existing ideas and information and share and prototype new ideas and information.

- **Saturday, 10:00 a.m. - 3:00 p.m.**  
July 14 and July 21  
\$265 • 2 sessions • TBA

### CP-788, Section SA11-QC Microsoft Project

Teaches you to use Microsoft Office Project Professional 2003 as a tool to assist professionals in managing projects. After successful completion of this course, students will be able to create a project plan file and enter task information, create a work breakdown structure by organizing tasks and setting task relationships, assign project resources and finalize the project plan file.

- **Saturday, 10:00 a.m. - 3:00 p.m.**  
July 28 and August 4  
\$265 • 2 sessions • TBA

### BS-405 Exercising Leadership

- **Offered Fall 2007**  
May substitute for any 10-20 hour leadership courses

### BS-423 Managing Conflict, Diversity and Difficult People

- **May substitute for any 10-20 hour leadership courses**

See page 20.

*Please Note:*  
Cost of entire program is \$2,320

