



**CURRICULUM GUIDE
2006-2007**

**CISCO CERTIFIED NETWORK PROFESSIONAL
(NETWORK+, CCNA, CCNP)
COMPUTERS, NETWORKS, AND EMERGING TECHNOLOGY**

**AS Degree
and
Certificate of Achievement Program**

The Cisco Certified Network Professional (CCNP) certificate is designed for professionals who work with traditional Cisco technology-based networks in which LAN and WAN routers and LAN switches predominate. This includes network design, configuration, and installation. Configuration techniques increase bandwidth, improve response times, enhance reliability and quality of service (QoS), maximize performance, and improve network security.

Requirements for AS Degree:

- a) Complete Major Field and Supporting Courses with a 2.0 grade point average.
- b) Complete Plan A, B, or C General Education requirements. These are specified in the Ohlone College catalog.
- c) Complete at least 60 degree-applicable units with a 2.0 grade point average.
- d) Complete at least 12 units at Ohlone College.

Requirements for Certificate of Achievement:

- a) Complete Major Field courses as indicated below.
- b) Complete at least six units at Ohlone College.
- c) Maintain a 2.0 grade point average in Major Field courses.

MAJOR FIELD

CNET-150	Network Operating Systems	4
CNET-152	Data Communications (Network+)	2
CNET-155A	LAN Network Design	2
CNET-155B	Router Configuration and Routing	2
CNET-156A	Routing and Switching	2
CNET-156B	WAN Design and Support	2
CNET-157	TCP/IP and Internetworking	3
CNET-182	Advanced Routing	3
CNET-183	Remote Access Networks	3
CNET-184	Advanced Switching	3
CNET-185	Internetwork Troubleshooting	3
ENGL-156	Introduction to Report and Technical Writing OR	3
SPCH-115	Career Communication	<u>(3)</u>
		32

SUPPORTING COURSES (Minimum six units required)

Choose 1-4 units from the following: 1-4
CNET-195A1-4 Internship

Choose 2-5 units from the following: 2-5

CNET-101	Introduction to Computers and Information Technology
CNET-105	PC Hardware and Software
CNET-140A	Linux Installation and Configuration
CNET-140B	Linux System Administration
CNET-142A	Linux Networking
CNET-142B	Linux Security
CNET-146	Introduction to UNIX/Linux
CNET-147	Shell Programming
CNET-149	PERL Programming
CNET-158	Wireless Networks
CNET-160A	Microsoft Client Operating Systems
CNET-162A	Microsoft Server Operating Systems
CNET-162B	Windows Network Infrastructure Administration
CNET-162C	Planning a Microsoft Windows Networks Infrastructure
CNET-164A	Microsoft Directory Services
CNET-164B	Designing Microsoft Windows Directory Services Infrastructure
CNET-165A	Designing a Secure Microsoft Windows Network
CNET-165B	Microsoft Internet Security Server (IIS)
CNET-167A	Network Application Administration I – Email (exchange)
CNET-168A	Network Application Administration II – Database (SQL)
CNET-170	Network Security
CS-102	Introduction to Computer Programming Using C++
CS-104A	Visual Basic.Net Programming
CS-170	Java Programming
CS-175	Script Technology for Web Development
CS-176	CGI Programming with PERL for Web Development