



## CURRICULUM GUIDE 2007-2008

### DESKTOP SUPPORT TECHNICIAN (A+, NETWORK+, MCP) COMPUTERS, NETWORKS, AND EMERGING TECHNOLOGY

#### AS Degree and Certificate of Achievement Program

PC Technicians install, fix, repair, and upgrade personal computers. In contrast to Technical Support Specialists, who often support computer software applications, PC Technicians tend to focus on computer hardware. Software is used, but typically only at the operating system level in order to diagnose problems or correctly configure a system.

#### 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-105	PC Hardware and Software	4
CNET-150	Network Operating Systems	4
CNET-152	Data Communications (Network+)	2
CNET-158	Wireless Networks	4
CNET-160A	Microsoft Client Operating Systems	2
CNET-161A	Supporting Users on XP	2
CNET-161B	Supporting Applications on XP	2
CNET-162A	Microsoft Server Operating Systems	2
ENGL-156	Introduction to Report and Technical Writing OR	3
SPCH-115	Career Communication	<u>(3)</u>

**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-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 UNIX Shell Programming
- CNET-149 PERL Programming
- CNET-155A LAN Network Design
- CNET-155B Router Configuration and Routing
- CNET-156A Routing and Switching
- CNET-156B WAN Design and Support
- CNET-162B Windows Network Infrastructure Administration
- 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 and Acceleration Server (ISA)
- CNET-167A Network Application Administration I – Email (Exchange)
- CNET-168A Network Application Administration II – Database (SQL)
- CNET-170 Network Security
- CNET-182 Advanced Routing
- CNET-183 Remote Access Networks
- CNET-184 Advanced Switching
- CNET-185 Internetwork Troubleshooting
- 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