



CURRICULUM GUIDE 2011-2012

NETWORK ADMINISTRATOR (NETWORK+, MCP OR UNIX, CCNA)

Associate in Science in Network Administrator and Certificate of Achievement in Network Administrator

Network Administrators manage all of the day-to-day aspects of a computer network. In addition to configuring networks they are responsible for making the network operational 24 hours a day. Tasks performed include adding/deleting users, backing up the server, loading new software applications, and maintaining security. Network Administrators are responsible for fixing an application or service, such as e-mail or printer access, when it is not working properly. Candidates for this degree option must have strong PC skills prior to enrolling in the program.

Requirements for Associate in Science Degree:

- a) Complete Major Field and Supporting Courses with a grade of C or better.
- b) Complete Plan A, B, or C General Education requirements. These requirements 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	2
CNET-155A	Network Fundamentals	4
CNET-155B	Routing Protocols and Concepts	4
CNET-156A	LAN Switching and Wireless	2
CNET-156B	WAN Design and Support	2
CNET-157	TCP/IP and Internetworking	3
CNET-160A	Microsoft Client Operating Systems AND	2
CNET-162A	Microsoft Server Operating Systems AND	2
CNET-162B	Windows Network Infrastructure Administration AND	2
CNET-164A	Microsoft Directory Services OR	2
CNET-140A	Linux Installation and Configuration AND	(2)
CNET-140B	Linux System Administration AND	(2)
CNET-146	Introduction to UNIX/Linux AND	(3)
CNET-147	UNIX/Linux Shell Scripting	(4)
ENGL-156	Introduction to Report and Technical Writing OR	3
SPCH-115	Career Communication	(3)
		32-35

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	3
CNET-105	PC Hardware and Software	4
CNET-140A	Linux Installation and Configuration	2
CNET-140B	Linux System Administration	2
CNET-142A	Linux Networking	2
CNET-142B	Linux Security	2
CNET-149	PERL Programming	4
CNET-158	Wireless Networks	4
CNET-164B	Designing Microsoft Windows Directory Services Infrastructure	2
CNET-165A	Designing a Secure Microsoft Windows Network	2
CNET-165B	Microsoft Internet Security and Acceleration Server (ISA)	2
CNET-167A	Network Application Administration I – Email (Exchange 2003)	2
CNET-168A	Network Application Administration II – Database (SQL)	2
CNET-170	Network Security	4
CNET-182	Advanced Routing	3
CNET-183	Implementing Cisco Secure WANs CCNP II	3
CNET-184	Advanced Switching	3
CNET-185	Optimizing Converged Networks	3
CS-102	Introduction to Computer Programming Using C++	4
CS-104A	Introduction to .NET Programming	4
CS-170	Java Programming	4
CS-175	From JavaScript to AJAX	4
CS-176	Introduction to PERL CGI Programming Development	4

Total Required Units 38-41