



CURRICULUM GUIDE 2013-2014

NETWORK ADMINISTRATOR

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 installing and configuring new equipment, including desktop PCs and servers, troubleshooting day-to-day problems and unusual issues with networked equipment, and evaluating the need for upgrades or replacements of current computer hardware and software solutions. Students who achieve this program can become employed as a network administrator in virtually all businesses and enterprises where computers and networks are used. Students are also well prepared for industry certification.

Requirements for Associate in Science Degree:

- a) Complete Major Field and Supporting Courses with a grade of C or better.
- b) Complete Ohlone College General Education (Plan A), CSU GE (Plan B), or IGETC (Plan C) 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.

Student Learning Outcomes

1. Demonstrate confidence to work independently to setup, configure, and maintain a network; stand-alone or network application; and a network system.
2. Demonstrate techniques to troubleshoot situations that impact a network; stand-alone or network application; and a network system.
3. Demonstrate oral and written communication skills.

MAJOR FIELD

CNET-150	Network Operating Systems	4
CNET-154	Network Technician Training OR	4
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-160A	Microsoft Client Operating Systems AND	2
CNET-162	Windows Network Infrastructure Administration AND	2
CNET-164	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	(3)
ENGL-156	Introduction to Report and Technical Writing OR	3
SPCH-115	Career Communication	<u>(3)</u>
		25-26

SUPPORTING COURSES (Minimum six units required)

Choose 1-4 units from the following: 1-4

WEX-195A1-4 Internship

Choose 2-5 units from the following:

CNET-102	Information and Communication Technology – Web 2.0	3
CNET-108	IT Project Management	3
CNET-114	How Technology Works	4
CNET-120	VMware: Install, Configure, Manage	2
CNET-158	Wireless Networks	4
CNET-170	Network Security	4
CNET-180	IP Telephony and VoIP Implementation	2
CS-102	Introduction to Computer Programming Using C++	4
CS-104A	Introduction to .NET Programming	<u>4</u>
		2-5

Total Required Units: 31-32