

Network Administrator

Certificate of Achievement : 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 Certificate of Achievement:

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

Associate in Science: Network Administrator

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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.

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. Student AS degree recipients will demonstrate oral and written communication skills.

MAJOR FIELD

CNET 155A Introduction to Networks (CCNA1)	3
CNET 155B Routing and Switching Essentials (CCNA2)	3
CNET 156A Scaling Networks (CCNA3)	2
CNET 156B Connecting Networks (CCNA4)	2
CNET 162 Windows Server Installation and Configuration Administration	2
and	
CNET 164 Windows Server Administration	2
or	
CNET 140 Linux System Administration I (LPI-1)	4
CNET 170 Network Security (Security+)	4
ENGL 156 Introduction to Report & Technical Writing	3
or	
COMM 125 Career Communication	3

Total Units = 21

Supporting Courses

Complete one course from the following courses: 1 - 4

WEX 195A1 Occupational Work Experience Education 1

or

WEX 195A2 Occupational Work Experience Education 2

or

WEX 195A3 Occupational Work Experience Education 3

or

WEX 195A4 Occupational Work Experience Education 4

Complete 5-8 units from the following courses: 5 - 8

CNET 105 IT Essentials (CompTIA A+) 4

CNET 108 IT Project Management 3

CNET 120 VMware: Install, Configure, Manage 2

CNET 122A Information Storage and Management - EMC 2

CNET 122B Cloud Infrastructure and Services 2

CNET 124A Virtual Desktop Administration - Citrix 2

CNET 124B Virtual Application Administration - Citrix 2

CNET 135 Oracle Database Administration 2

CNET 136 Oracle Database Backup and Recovery 2

CNET 141 Linux System Administration II (LPI-2) 4

CNET 146 Introduction to UNIX/Linux 3

CNET 158 Wireless Networks 4

CNET 166 Windows Server - Advanced Services 2

CNET 172 CCNA Security 2

CNET 180 IP Telephony and VoIP Implementations 2

CNET 182 Advanced Routing (CCNP ROUTE) 3

CNET 184 Advanced Switching (CCNP SWITCH) 3

CNET 186 Troubleshooting IP Networks (CCNP TSHOOT) 3

Total Units = 6.00 - 12.00

Total Units = 27.00 - 33.00