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.
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-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 AND 2
CNET-164 Windows Server Administration OR 2
CNET-140 Linux System Administration I (LPI-1) (4)
CNET-170 Network Security (Security+) 4
COMM-125 Career Communication OR 3
ENGL-156 Introduction to Report and Technical Writing (3)

SUPPORTING COURSES
Complete one course from the following courses:
WEX-195A1 Occupational Work Experience Education OR 1
WEX-195A2 Occupational Work Experience Education OR (2)
WEX-195A3 Occupational Work Experience Education OR (3)
WEX-195A4 Occupational Work Experience Education (4)

Complete 5-8 units from the following courses:
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-136 Oracle Database Administration 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 Required Units: 27-33