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-155A  Introduction to Networks (CCNA1)  4
CNET-155B  Routing and Switching Essentials (CCNA2)  4
CNET-156A  Scaling Networks (CCNA3)  2
CNET-156B  Connecting Networks (CCNA4)  2
CNET-162  Windows Server Installation and Configuration Administration AND
CNET-164  Windows Server Administration OR  2
CNET-140  Linux System Administration I (LPI-1) (4)
CNET-170  Network Security (Security+)  4
ENGL-156  Introduction to Report and Technical Writing OR  3
SPCH-115  Career Communication (3)  23

SUPPORTING COURSES
Complete one course from the following:
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:
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 Implementation  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: 29-35