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)

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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