



CURRICULUM GUIDE
2007-2008

MICROSOFT SYSTEMS ENGINEER
(NETWORK+, MCP, MCSE)
COMPUTERS, NETWORKS, AND EMERGING TECHNOLOGY

AS Degree
and
Certificate of Achievement Program

For network professionals, Microsoft offers the Microsoft Certified Systems Engineer (MCSE) credential. MCSE's are qualified to effectively plan, implement, maintain, and support information systems in a wide range of computing environments using the Microsoft Windows Server Products and the Microsoft BackOffice®. Candidates for this degree option must have strong PC skills prior to enrolling in the program.

Requirements for AS Degree:

- a) Complete Major Field and Supporting Courses with a 2.0 grade point average.
- b) Complete Plan A, B, or C General Education requirements. These 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-146	Introduction to UNIX/Linux	3
CNET-150	Network Operating Systems	4
CNET-152	Data Communications	2
CNET-157	TCP/IP and Internetworking	3
CNET-160A	Microsoft Client Operating Systems	2
CNET-162A	Microsoft Server Operating Systems	2
CNET-162B	Windows Network Infrastructure Administration	2
CNET-164A	Microsoft Directory Services	2
CNET-164B	Designing Microsoft Windows Directory Services Infrastructure	2
CNET-165A	Designing a Secure Microsoft Windows Network	2
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
CNET-105	PC Hardware and Software
CNET-140A	Linux Installation and Configuration
CNET-140B	Linux System Administration
CNET-142A	Linux Networking
CNET-142B	Linux Security
CNET-147	UNIX Shell Programming
CNET-149	PERL Programming
CNET-155A	LAN Network Design
CNET-155B	Router Configuration and Routing
CNET-156A	Routing and Switching
CNET-156B	WAN Design and Support
CNET-158	Wireless Networks
CNET-165B	Microsoft Internet Security and Acceleration Server (ISA)
CNET-167A	Network Application Administration I – Email (Exchange)
CNET-168A	Network Application Administration II – Database (SQL)
CNET-170	Network Security
CNET-182	Advanced Routing
CNET-183	Remote Access Networks
CNET-184	Advanced Switching
CNET-185	Internetwork Troubleshooting
CS-102	Introduction to Computer Programming Using C++
CS-104A	Visual Basic.NET Programming
CS-170	Java Programming
CS-175	Script Technology for Web Development
CS-176	CGI Programming with PERL for Web Development