Microsoft Systems Administrator (MCTS)

For network professionals. Learn how to analyze business requirements, then design and implement the infrastructure for business solutions based on the Windows 2008 platform and server software. Implementation responsibilities include installing, configuring, and troubleshooting network systems. Candidates for this degree option must have strong PC skills prior to enrolling in the program.

Microsoft Certified Technology Specialist

CNET110 Network Operating Systems 4
CNET110A Microsoft Client OS 2
CNET110B Microsoft Server OS 2
CNET110C Microsoft Network Infrastructure 2
CNET110CK Planning a Network Infrastructure 2
CNET110SA Microsoft Active Directory 2
CNET114B Designing Directory Services 2
CNET116A Designing Network Security 2
ENG156 Report and Technical Writing 3
or SPOC115 Career Communication 3
Total Units 21

Sample Program

Semester 1
CNET110A Microsoft Client OS 2
CNET110 Network Operating Systems 4
Total NTSA 6
General Electives 6
Total Semester 1 Units 12

Semester 2
CNET110B Microsoft Server OS 2
CNET110C Microsoft Network Infrastructure 2
Total NTSA 4
General Electives 4
Total Semester 2 Units 8

Semester 3
CNET110CK Planning a Network Infrastructure 2
CNET110SA Microsoft Active Directory 2
ENG156 Report and Technical Writing 3
or SPOC115 Career Communication 3
Total NTSA 5
General Electives 5
Total Semester 3 Units 10

Semester 4
CNET110SA Designing Network Security 2
CNET116A Designing Directory Services 2
Total NTSA 4
General Electives 4
Total Semester 4 Units 8

Cisco Network Professional (CCNA, CCNP)

This certificate is designed for professionals who work with traditional Cisco technology-based networks in which LAN and WAN routers and LAN switches predominate. They are involved in network design, configuration and installation. Configuration techniques increase bandwidth, improve response times, enhance reliability and quality of service (QoS), maximize performance, and improve network security.

CNET115A Network Fundamentals 4
CNET115B Router Protocols and Concepts 4
CNET115C Switching and Wireless 4
CNET115D WAN Design and Support 2
CNET118 Advanced Routing (ROUTE) 3
CNET118A Advanced Switching (SWITCH) 2
CNET118B Troubleshooting (TSHOOT) 3
ENG156 Report and Technical Writing 3
or SPOC115 Career Communication 3
Total Units 24

Sample Program

Semester 1
CNET115A Network Fundamentals 4
CNET115B Router Protocols and Concepts 4
Total NTSA 8
General Electives 8
Total Semester 1 Units 16

Semester 2
CNET115C Switching and Wireless 2
CNET115D WAN Design and Support 2
Total NTSA 4
General Electives 4
Total Semester 2 Units 8

Semester 3
CNET118 Advanced Routing (ROUTE) 3
ENG156 Report and Technical Writing 3
or SPOC115 Career Communication 3
Total NTSA 6
General Electives 6
Total Semester 3 Units 12

Semester 4
CNET118A Advanced Switching (SWITCH) 2
CNET118B Troubleshooting (TSHOOT) 3
Total NTSA 5
General Electives 5
Total Semester 4 Units 10

Linux/Unix® Systems Administrator (Linux®)

This program provides a general knowledge of Linux/Unix® System Administration, including an understanding of theory and development of a solid foundation of programming skills. Graduates are qualified for entry level positions in Unix/Unix® System Administration.

CNET115A Network Operating Systems 4
CNET114C Introduction to Unix/Linux 3
CNET114A Linux Install and Configuration 2
CNET114B Linux Administration 2
CNET114C Linux Programming 4
ENG156 Report and Technical Writing 3
or SPOC115 Career Communication 3
Total Units 31

Sample Program

Semester 1
CNET115A Network Operating Systems 4
CNET114C Introduction to Unix/Linux 3
Total NTSA 7
General Electives 7
Total Semester 1 Units 14

Semester 2
CNET114A Linux Install and Configuration 2
CNET114B Linux Administration 2
CNET114C Linux Programming 4
Total NTSA 8
General Electives 8
Total Semester 2 Units 16

Semester 3
CNET114C Linux Programming 2
CNET114B Linux Security 2
CNET114C PERL/Python Programming 4
Total NTSA 8
General Electives 8
Total Semester 3 Units 16

Semester 4
CNET115A-4 Internship 4
ENG156 Report and Technical Writing 3
or SPOC115 Career Communication 3
Total NTSA 7
General Electives 7
Total Semester 4 Units 14