

CNSE: ADVANCED NETWORK SPECIALIST, CERTIFICATE OF ACHIEVEMENT

To earn an Advanced Network Specialist Certificate of Achievement students must complete 38-42 units in basic and advanced networking courses. Students will have advanced knowledge in networking and have completed multiple courses using Microsoft and Cisco curriculum. Students will be well positioned for an entry level job in help desk or technical support employment.

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Course ID	Title	Units/Hours
Required Courses		
CNSE M01	Networking Fundamentals	4
CNSE M05	Fundamentals of Computer Networking	4
CNSE M13	Internetworking and TCP/IP	4
CNSE M18	Cisco System Computer Networking A	4
CNSE M19	Cisco System Computer Networking B	4
CNSE M30	MS Windows Administration	3
CNSE M31	MS Windows Network Server	3
CNSE M55	Linux Networking and System Administration	3
CNSE M80	Internship in Computer Network Systems Engineering	1-4
CNSE M82	Introduction to Network Security	3
CNSE M105	AWS Cloud Foundations	3
UNITS from Recommended Courses		2-3
Total Units		38-42

Course ID	Title	Units/Hours
Recommended Courses		
Select and complete one course from the following list (2-3 units):		
CNSE M56	CompTIA Advanced Security Practitioner Preparation	3
CNSE M67	VMware vSphere Fundamentals	3
CNSE M83	Introduction Computer Forensics	3
CNSE M84	Certified Ethical Hacker	2
CNSE M86	Firewall Administration	3
CNSE M100	Cybersecurity Analysis	3
CNSE M106	Cloud Architecture	3

Year 1		Units/Hours
Fall Semester		
CNSE M01	Networking Fundamentals	4
CNSE M05	Fundamentals of Computer Networking	4

CNSE M55	Linux Networking and System Administration	3
Units/Hours		11
Spring Semester		
CNSE M13	Internetworking and TCP/IP	4
CNSE M18	Cisco System Computer Networking A	4
CNSE M30	MS Windows Administration	3
Units/Hours		11
Year 2		
Fall Semester		
CNSE M19	Cisco System Computer Networking B	4
CNSE M31	MS Windows Network Server	3
CNSE M105	AWS Cloud Foundations	3
Units/Hours		10
Spring Semester		
CNSE M80	Internship in Computer Network Systems Engineering	1-4
CNSE M82	Introduction to Network Security	3
Units/Hours		4-7
Total Units/Hours		36-39

Year 1		Units/Hours
Fall Semester		
Listed below are recommended courses. Select and complete in any term, no prerequisite required.		
CNSE M56	CompTIA Advanced Security Practitioner Preparation	3
CNSE M67	VMware vSphere Fundamentals	3
CNSE M83	Introduction Computer Forensics	3
CNSE M84	Certified Ethical Hacker	2
CNSE M86	Firewall Administration	3
CNSE M100	Cybersecurity Analysis	3
CNSE M106	Cloud Architecture	3
Units/Hours		20
Total Units/Hours		20

Upon successful completion of this program, students will be able to:

- provide high-level, advanced Microsoft support in a medium-sized to enterprise environment.