

NETWORK SECURITY

Program Overview – Network Security

The Network Security Program will prepare students in the areas of IT networking and security. Students will develop a comprehensive understanding of networking protocols and security concepts. Students will also develop key skills in multiple areas of networking: service setup and maintenance; workstations; protocols; hardware; ethics; and security.

This program will prepare students for entry-level positions in the computer networking security field. This program will prepare individuals to become Network Administrators, Network Support Specialists, Security Specialists, Penetration Testers or Security Analysts.

One unique aspect of this program is that it incorporates preparatory work for professional certification tests. These professional certifications are from Cisco, Comp TIA, and Microsoft.

The program emphasizes additional skills that today's employer is seeking: people with good communication skills, dependability, reliability and the willingness to work as part of a team.

For more information, visit: www.mchenry.edu/networksecurity

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Network Security

Curriculum: OCC 1282	Minimum Credit Hours	Courses																
Written Communication	3	<i>Please see page 65 for AAS Degree course options</i>																
Oral Communication	3	(3) SPE 151 Intro to Speech																
Arts Humanities Social Science Behavioral Science	3	<i>Please see page 65 for AAS Degree course options</i>																
Mathematics Physical Science Life Science	3	<i>Please see page 65 for AAS Degree course options</i>																
Arts Humanities Social Science Behavioral Science Mathematics Physical Science Life Science	3	<i>Please see page 65 for AAS Degree course options</i>																
Total General Education	15																	
Program Core	45	<table border="0"> <tr> <td>(3) CDM 120 Computer Ethics</td> <td>(3) NET 172 Cisco Certification Prep III</td> </tr> <tr> <td>(3) NET 110 Network+ Certification Prep</td> <td>(3) NET 173 Cisco Certification Prep IV</td> </tr> <tr> <td>(3) NET 125 A+ Certification Prep</td> <td>(3) NET 183 Security+ Certification Prep</td> </tr> <tr> <td>(3) NET 145 Linux+ Certification Prep</td> <td>(3) NET 185 Ethical Hacking</td> </tr> <tr> <td>(3) NET 151 Windows Client I</td> <td>(3) NET 251 Windows Server II</td> </tr> <tr> <td>(3) NET 152 Windows Server I</td> <td>(3) NET 252 Windows Server III</td> </tr> <tr> <td>(3) NET 170 Cisco Certification Prep I</td> <td>(3) NET 270 CCNA Security</td> </tr> <tr> <td>(3) NET 171 Cisco Certification Prep II</td> <td></td> </tr> </table>	(3) CDM 120 Computer Ethics	(3) NET 172 Cisco Certification Prep III	(3) NET 110 Network+ Certification Prep	(3) NET 173 Cisco Certification Prep IV	(3) NET 125 A+ Certification Prep	(3) NET 183 Security+ Certification Prep	(3) NET 145 Linux+ Certification Prep	(3) NET 185 Ethical Hacking	(3) NET 151 Windows Client I	(3) NET 251 Windows Server II	(3) NET 152 Windows Server I	(3) NET 252 Windows Server III	(3) NET 170 Cisco Certification Prep I	(3) NET 270 CCNA Security	(3) NET 171 Cisco Certification Prep II	
(3) CDM 120 Computer Ethics	(3) NET 172 Cisco Certification Prep III																	
(3) NET 110 Network+ Certification Prep	(3) NET 173 Cisco Certification Prep IV																	
(3) NET 125 A+ Certification Prep	(3) NET 183 Security+ Certification Prep																	
(3) NET 145 Linux+ Certification Prep	(3) NET 185 Ethical Hacking																	
(3) NET 151 Windows Client I	(3) NET 251 Windows Server II																	
(3) NET 152 Windows Server I	(3) NET 252 Windows Server III																	
(3) NET 170 Cisco Certification Prep I	(3) NET 270 CCNA Security																	
(3) NET 171 Cisco Certification Prep II																		
Total Minimum Degree Credits	60																	

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application

- Completion of end-of-program assessment as directed by this department

**For more information, contact the department chair:
(815) 455-8732.**

Requirements for the Cyber Security Certificate

Curriculum: OCC 1284	Credit Hours		
Program Core	21	(3) CDM 110 Computer Literacy for Windows (3) CDM 120 Computer Ethics (3) NET 110 Network+ Certification Prep (2) NET 140 Linux Operating Systems	(2) NET 150 Windows Operating Systems (2) NET 180 Computer Security Awareness (3) NET 183 Security+ Certification Prep (3) NET 185 Ethical Hacking
Total Certificate Credits	21		

For more information, visit: www.mchenry.edu/cybersecurity

Requirements for the Geek Technology Certificate

Curriculum: OCC 1285	Credit Hours		
Program Core	22	(3) CDM 110 Computer Literacy for Windows (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics (3) NET 125 A+ Certification Prep	(2) NET 150 Windows Operating Systems (3) NET 151 Windows Client I (3) SPE 155 Interpersonal Communications (3) WEB 105 Web Fundamentals
Total Certificate Credits	22		

For more information, visit: www.mchenry.edu/geektech

Requirements for the Help Desk Certificate

Curriculum: OCC 123	Credit Hours		
Program Core	21	(3) CDM 110 Computer Literacy for Windows (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics (3) NET 125 A+ Certification Prep	(2) NET 150 Windows Operating Systems (2) NET 180 Computer Security Awareness (3) SPE 155 Interpersonal Communication (3) WEB 105 Web Fundamentals
Program Electives 4 credit hours	8-9	(1) CDM 250 Internship in CDM (1-4) CDM 290 Topics in CDM (3) NET 151 Windows Client I	(3) NET 152 Windows Server I (3) PRG 105 Programming Logic
Total Certificate Credits	29-30		

For more information, visit: www.mchenry.edu/helpdesk

Requirements for the Networking Specialist Certificate

Curriculum: OCC 1281	Credit Hours		
Program Core	16	(3) CDM 110 Computer Literacy for Windows (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics (2) NET 150 Windows Operating Systems	(3) NET 151 Windows Client I (3) NET 152 Windows Server I
Program Electives	8-9	(3) CDM 120 Computer Ethics (2) NET 140 Linux Operating Systems (3) NET 183 Security+ Certification Prep (3) NET 185 Ethical Hacking	(3) NET 251 Windows Server II (3) NET 252 Windows Server III
Total Certificate Credits	24-25		

For more information, visit: www.mchenry.edu/networking

Requirements for the PC Support Specialist Certificate

Curriculum: OCC 128	Credit Hours		
Program Core	17	(3) CDM 110 Computer Literacy for Windows (2) NET 150 Windows Operating Systems (2) NET 120 Computer Hardware Basics	(3) NET 110 Network+ Certification Prep (3) NET 125 A+ Certification Prep (2) NET 140 Linux Operating Systems (2) NET 180 Computer Security Awareness
Total Certificate Credits	17		

For more information, visit: www.mchenry.edu/pcsupport

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

**For more information, contact the department chair:
(815) 479-7521.**