

NETWORK ADMINISTRATION & CYBERSECURITY



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PROGRAM PURPOSE

Network Administration & Cybersecurity is a two-year program which prepares students to enter the workforce as an IT administrator, technician or to continue on to a bachelor's degree program. Students learn to build and optimize computers and servers, set-up and administer a computer network, and maintain operating systems. The first year provides training in Windows 10, Computer Repair, Introduction to Windows Server 2016, Introduction to Linux, and Networking Hardware. Seniors receive advanced training in Configuring Servers, Network Administration, Micro Electronics, Computer Forensics, and Cybersecurity. All courses have considerable hands-on labs to reinforce the theory.

NMCC is an academic partner with CompTIA, allowing the College to provide CompTIA certification exams at academic pricing to students. NMCC also partners with Microsoft Imagine to provide Microsoft software to students enrolled in the Network Administration & Cybersecurity Program.

CAREER OPPORTUNITIES

Graduates of the program maybe eligible to earn eight TestOut certifications including the following: Client Pro; PC Pro; Linux Pro; Network Pro; Security Pro; Server Pro 2016: Install and Storage, Server Pro 2016: Networking; Server Pro 2016: Identity. Students must pass the certification exams to obtain the certification. Approximate cost for these certification exams is \$600.

Graduates will be qualified for positions as:

- computer technicians
- desktop support technicians
- network technicians
- network administrators (Microsoft & Linux)
- network security

**Employers are seeking
Network Administration and Cybersecurity Graduates.**

APPLICATION PROCEDURE

The following procedures constitute the admissions process:

1. Submit an NMCC application along with a \$20 application fee.
2. Submit official high school transcript and/or HiSET/GED scores (current senior's transcript should include completed ranking period grades).
3. Official college transcripts for applicants who have attended other post-secondary schools.
4. If SAT scores are not available, placement testing may be required.
5. Individual interview required.
6. A campus tour is highly recommended.

**Questions? Contact
admissions@nmcc.edu**

nmcc.edu

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NETWORK ADMINISTRATION & CYBERSECURITY

2021-2022 Curriculum

Associate in Applied Science Degree Program

First Semester	C	L	CR
◆COE 113 Operating Systems	2	2	3
◆COE 116 A+ Cert. Prep	3	0	3
◆COE 118 A+ Cert. Prep Lab	0	9	3
COL 103 College Success	1	0	1
ENG 111 English Composition	3	0	3
MAT 115 Business Math	3	0	3
OR			
MAT 116 Quantitative Reasoning	3	0	3
	12	11	16

Second Semester

◆COE 125 Comp. Network Hardware	2	2	3
◆COE 128 Adv Operating Systems	2	2	3
◆COE 217 Installing & Conf. Servers	2	4	4
COM 212 Business Communications	3	0	3
MAT 125 College Algebra	3	0	3
	12	8	16

Third Semester

COE 112 Intro to Linux	2	2	3
◆COE 218 Network Administration	2	4	4
◆COE 219 Electronics for Comp. Techs	2	3	3
◆COE 228 Security+ Certification	2	2	3
ECO 213 Macroeconomics	3	0	3
	11	11	16

Fourth Semester

◆COE 220 Intro to Computer Forensics	2	2	3
◆COE 227 Conf. Adv. Windows Server	2	4	4
◆COE 229 Ethical Hacking	2	2	3
PHI 111 Everyday Ethics	3	0	3
Elective	3	0	3
	12	8	16

TOTAL REQUIRED 64

Certificate Program

First Semester	C	L	CR
◆COE 113 Operating Systems	2	2	3
◆COE 116 A+ Cert. Prep	3	0	3
◆COE 118 A+ Cert. Prep Lab	0	9	3
ENG 111 English Composition	3	0	3
MAT 115 Business Math	3	0	3
OR			
MAT 116 Quantitative Reasoning	3	0	3
	11	11	15

Second Semester

COE 112 Intro to Linux	2	2	3
◆COE 125 Computer Network Hardware	2	2	3
◆COE 128 Adv Operating Systems	2	2	3
◆COE 217 Installing & Conf. Servers	2	4	4
COM 212 Business Communications	3	0	3
OR			
MAT 125 College Algebra	3	0	3
	11	10	16

TOTAL REQUIRED 31

We have a testing center on campus. So students do not need to travel to take certification exams.

◆ Major courses; a minimum grade of "C" or 2.0 required.

Key: C= Class Hours, L= Lab Hours, CR= Credit Hours

NMCC is an equal opportunity/affirmative action institution and employer. For more information, please call 768-2791.

207-768-2785

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