

PROGRAM PURPOSE

Network administration & cybersecurity is a two-year program that prepares students to enter the workforce as an IT administrator, or 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 Servers 2016, introduction to Linux, and networking hardware. Seniors receive advanced training in configuring servers, network administration, microelectronics, 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 administrators & cybersecurity program.

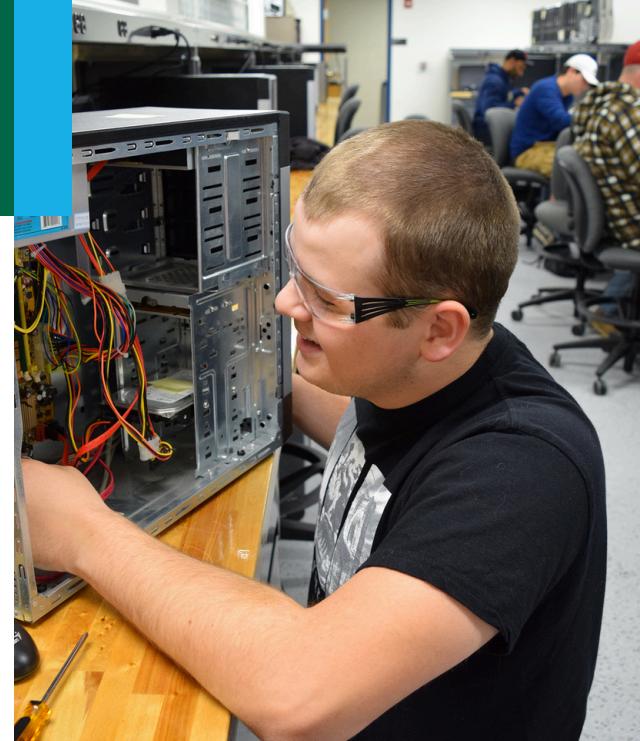
Graduates of the program may be eligible to earn eight TestOut certifications including the following: Client Pro; PC Pro; Linux Pro; Network Pro; Security Pro; Server Pro 2016: Install and Storage, Server Pro 2016: Networking; Server Pro 2016: Identity. Students must pass the certification exams to obtain the certification.

Approximate cost for these certified exams is \$600.

CAREER OPPORTUNITIES

Graduates of the program may find employment opportunities with:

- Computer technicians
- Desktop support technicians
- Network technicians
- Microsoft & Linux network administrators
- Network Security



APPLICATION PROCEDURE

The following procedures constitute the admissions process:

- 1 Submit an NMCC application.
- 2 Submit official high school transcript and/or HiSET/GED scores (current senior's 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 Meet with an Admissions Counselor.
- 6 A campus tour is highly recommended.



GET IN TOUCH

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NETWORK ADMINISTRATION & CYBERSECURITY

2025-2026

Associate in Applied Science Degree Program

NETWORK ADMINISTRATION & CYBERSECURITY

2025-2026

Certificate Program

First Semester			C	L	CR	First Semester			C	L	CR
>	COE 113	Operating Systems	2	2	3	>	COE 113	Operating Systems	2	2	3
>	COE 116	A+ Certification Prep	3	0	3	>	COE 116	A+ Certification Prep	3	0	3
>	COE 118	A+ Certification Prep Lab	0	9	3	>	COE 118	A+ Certification Prep Lab	0	9	3
	COL 103	College Success	1	0	1		ENG 111	English Composition	3	0	3
	ENG 111	English Composition	3	0	3		MAT 115	Business Math (or MAT 116 Quantitative Reasoning)	3	0	3
	MAT 115	Business Math (or MAT 116 Quantitative Reasoning)	3	0	3				11	11	15
			12	11	16						
Second Semester			C	L	CR	Second Semester			C	L	CR
>	COE 125	Computer Network Hardware	2	2	3	>	COE 112	Introductin to Linux	2	2	3
>	COE 128	Advanced Operating Systems	2	2	3	>	COE 125	Computer Network Hardware	2	2	3
>	COE 217	Installing & Configuring Servers	2	4	4	>	COE 128	Advanced Operating Systems	2	2	3
	COM 212	Business Communications I	3	0	3	>	COE 217	Installing & Configuring Servers	2	4	4
	MAT 125	College Algebra	3	0	3		COM 212	Business Communications I (or MAT 125 College Algebra)	3	0	3
			12	8	16				11	10	16
Third Semester			C	L	CR	Total Required					31
	COE 112	Introduction to Linux	2	2	3						
>	COE 218	Network Administration	2	4	4						
>	COE 219	Electronics for Computer Technicians	2	3	3						
>	COE 228	Security+ Certification	2	2	3						
	ECO 213	Macroeconomics	3	0	3						
			11	11	16						
Fourth Semester			C	L	CR						
>	COE 220	Introduction to Computer Forensics	2	2	3						
>	COE 230	Cybersecurity Analysis	2	4	4						
>	COE 229	Ethical Hacking	2	2	3						
		General Ed Elective	3	0	3						
		Humanities Elective	3	0	3						
			12	8	16						

Total Required **64**

> Major courses; a minimum grade of "C" or 2.0 is required

Key: C=Class hours; L=Laboratory; CR=Credit hours

