

# NETWORK ADMINISTRATION & CYBERSECURITY



## SUCCEED HERE

**HIGH DEMAND FIELD!**

**Questions?**

**Contact:**  
**[admissions@nmcc.edu](mailto:admissions@nmcc.edu)**

## CAREER OPPORTUNITIES

Graduates of this program will be qualified for positions as:

- 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 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. Meet with an Admissions Counselor.
6. A campus tour is highly recommended.

## **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.

***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 certification exams is \$600.***

## NETWORK ADMINISTRATION & CYBERSECURITY Associate in Applied Science Degree Program

| First Semester |     |                                                      | C  | L  | CR |
|----------------|-----|------------------------------------------------------|----|----|----|
| > COE          | 113 | Operating Systems                                    | 2  | 2  | 3  |
| > COE          | 116 | A+ Certification Prep                                | 3  | 0  | 3  |
| > COE          | 118 | A+ Certification Prep Lab                            | 0  | 9  | 3  |
| COL            | 103 | College Success                                      | 1  | 0  | 1  |
| ENG            | 111 | English Composition                                  | 3  | 0  | 3  |
| MAT            | 115 | Business Math<br>(or MAT 116 Quantitative Reasoning) | 3  | 0  | 3  |
|                |     |                                                      | 12 | 11 | 16 |

| Second Semester |     |                                  | C  | L | CR |
|-----------------|-----|----------------------------------|----|---|----|
| > COE           | 125 | Computer Network Hardware        | 2  | 2 | 3  |
| > COE           | 128 | Advanced Operating Systems       | 2  | 2 | 3  |
| > COE           | 217 | Installing & Configuring Servers | 2  | 4 | 4  |
| COM             | 212 | Business Communications I        | 3  | 0 | 3  |
| MAT             | 125 | College Algebra                  | 3  | 0 | 3  |
|                 |     |                                  | 12 | 8 | 16 |

| Third Semester |     |                                      | C  | L  | CR |
|----------------|-----|--------------------------------------|----|----|----|
| 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           | 227 | Configuring Advanced Windows Server | 2  | 4 | 4  |
| > COE           | 229 | Ethical Hacking                     | 2  | 2 | 3  |
|                 |     | Humanities Elective                 | 3  | 0 | 3  |
|                 |     | General Elective                    | 3  | 0 | 3  |
|                 |     |                                     | 12 | 8 | 16 |

Total Required 64

## NETWORK ADMINISTRATION & CYBER SECURITY Certificate Program

| First Semester |     |                                                      | C  | L  | CR |
|----------------|-----|------------------------------------------------------|----|----|----|
| > COE          | 113 | Operating Systems                                    | 2  | 2  | 3  |
| > COE          | 116 | A+ Certification Prep                                | 3  | 0  | 3  |
| > COE          | 118 | A+ Certification Prep Lab                            | 0  | 9  | 3  |
| ENG            | 111 | English Composition                                  | 3  | 0  | 3  |
| MAT            | 115 | Business Math<br>(or MAT 116 Quantitative Reasoning) | 3  | 0  | 3  |
|                |     |                                                      | 11 | 11 | 15 |

| Second Semester |     |                                                           | C  | L  | CR |
|-----------------|-----|-----------------------------------------------------------|----|----|----|
| COE             | 112 | Introduction to Linux                                     | 2  | 2  | 3  |
| > COE           | 125 | Computer Network Hardware                                 | 2  | 2  | 3  |
| > COE           | 128 | Advanced Operating Systems                                | 2  | 2  | 3  |
| > COE           | 217 | Installing & Configuring Servers                          | 2  | 4  | 4  |
| COM             | 212 | Business Communications I<br>(or MAT 125 College Algebra) | 3  | 0  | 3  |
|                 |     |                                                           | 11 | 10 | 16 |

Total Required 31

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

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

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