



CAREER & TECHNICAL EDUCATION (CTE)

Network Administrator (AAS)

Graduates of the Network Administrator degree, students will be able manage an organization's servers and desktop and mobile equipment. They can ensure that email and data storage networks work properly. They also can make sure that employees' workstations are working efficiently and stay connected to the central computer network.

Upon completion of the program, students will be able to:

- Determine an organization's system needs and install network hardware and software
- Make needed upgrades and repairs to networks and ensure that systems are operating correctly
- Maintain network and computer system security
- Evaluate and optimize network or system performance
- Add users to a network, and assign and update security permissions on the network
- Train users in the proper use of hardware and software
- Interpret and solve problems when a user or an automated monitoring system alerts them that a problem exists

According to the Bureau of Labor Statistics, the median annual wage for network and computer systems administrators was \$81,100 in May 2017. The median wage is the wage at which half the workers in an occupation earned more than that amount and half earned less. The lowest 10 percent earned less than \$49,830, and the highest 10 percent earned more than \$130,200.

Start Your Career Today!

CONTACT INFORMATION

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Turtle Mountain
Community College

701.477.7862 | www.tm.edu

TMCC is accredited by the Higher Learning Commission (HLC)
of the North Central Association of Colleges and Schools (NCA).

In just two short years, students can complete an Associate of Applied Science degree at Turtle Mountain Community College (TMCC) and begin pursuing their chosen career. A college education is a proven way to enrich your life – culturally, socially, intellectually and financially.



Required Courses (64 Credits)

Semester 1

COURSE TITLE	CREDITS
CIS 141 Introduction to Cybersecurity	3
CIS 162 Operating Systems	3
CIS 164 Network Fundamentals I	3
CIS 215 Microsoft Windows Server	3
CIS 219 Hardware Repair & Maintenance	4
Total Semester Credits	16

Semester 2

COURSE TITLE	CREDITS
BOTE 177 Job Readiness	1
CIS 147 Principles of Information Security	3
CIS 165 Network Fundamentals II	3
CIS 168 Firewalls & Network Security	3
CIS 216 MS Planning MS Network Infrastructure	3
CSCI 101 Introduction to Computers	3
Total Semester Credits	16

Semester 3

COURSE TITLE	CREDITS
CIS 217 Virtualization	3
CIS 224 Networking	3
CIS 243 Incident Response & Disaster Recovery	3
CIS 267 Intermediate Networking I	3
General Education Courses (6 CREDITS)	6
Total Semester Credits	18

Semester 4

COURSE TITLE	CREDITS
BIT 123 Technology for Personal Development	3
CIS 255 Cloud Foundations	3
CSCI 162 Internship	2
General Education Courses (6 CREDITS)	6
Total Semester Credits	14

Total Required Credits

64