

Associate of Applied Science in Cybersecurity & Network Administration

The Cybersecurity and Network Administration major provides the skills and training necessary to install and maintain networks using Microsoft and Linux Operation Systems. Students will also receive training in security penetration testing as well as securing networks using intrusion prevention systems and firewalls. The program provides students with training in a current programming language. Material in the major aligns with and helps to prepare students for industry standard certifications from organizations such as CompTIA and Microsoft.



Career Outlook

Career opportunities are numerous for individuals in this field. All organizations, large and small, use computers as an integral part of how they do business. Graduates may find employment in entry level positions such as Technical Support, Help Desk Technician, IT Consultant, Network Administrator or Security Specialist.



STEM and Industrial Technology Division



Franklin Roberts
Dean

Questions:

NSCC Admissions Office
(419) 267-1320
admissions@NorthwestState.edu

www.NorthwestState.edu

2023-2024

Education Pays

Average Annual Earnings
Based on Education



Based on data from the Bureau of Labor Statistics

NSCC is accredited by:
The Higher Learning Commission
(312) 263-0456

www.ncahigherlearningcommission.org

PROGRAM SEQUENCE

First Semester		Credits
+EET107	Python Programming	3
+CIT191	Computer Operations	3
+CIT195	Networking Essentials	3
ENG111	Composition I	3
+MET100	Intro to Engineering Technology	2
		14

Second Semester		Credits
+CIS114	Microsoft Applications	3
+CIT155	Linux Networking I	4
+CIT194	IT Security Fundamentals	3
ELECTIVE	Humanities Elective	3
ELECTIVE	Math Elective	3
		16

Third Semester		Credits
ACC111	Financial Accounting OR	
+CIT290	Information Technology Internship	3
+CIT193	Microsoft Server Technology	3
+CYB210	Cyber Programming	3
+CYB220	Security Auditing	3
ENG210	Technical Communications	3
		15

Fourth Semester		Credits
+CIT109	Database Programming	4
+CIT196	Introduction to Cloud Computing	3
+CYB230	Network Security	3
ELECTIVE	Natural Science Elective	3
ELECTIVE	Social Behavioral Science Elective	3
		16

Total Program Credit Hours **61**

+ Students must attain a 2.00 grade point average in these technical courses to graduate.