

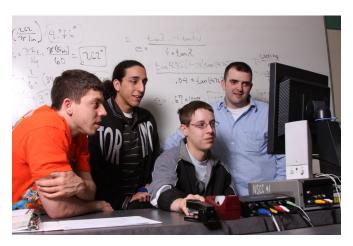
# CYBERSECURITY & NETWORK ADMINISTRATION

## 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 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

Education Pays
Average Annual Earnings
Based on Education

Bachelor's Degree

Master's Degree

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
<b>ELECTIVE</b>	Humanities Elective	3
ELECTIVE	Math Elective	3
		16

<b>Third Semes</b>	<b>Credits</b>	
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 Seme	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	e 3
		16

### Total Program Credit Hours 61

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