Required Courses and Recommended Sequence:

The following is a recommended sequence of courses for completing this program. Developmental courses and prerequisite course requirements, credit load, and/or course availability may affect a student's individual progress. Course availability within the program sequences is specifically intended for full-time students who begin their course work with the fall semester. Students should always consult their online degree planner for the catalog year that they entered the college, and contact their program manager to better understand typical course availability and individual program planning.

Degree Pathway – Network Systems Technology [2027] – 2 Year Plan

Semester One

ENC 1101 Written Communication I	3 credits
Gen Ed* Area II Math – MAC 1105 or higher	3 credits
CGS 1000 Computer Information Systems	3 credits
CTS 1150C Microcomputer Hardware and Maintenance	3 credits
CET 1600 Networking Fundamentals	3 credits
	15 credits – semester one

Semester Two

CTS 2390 Installing and Configuring Windows Server	3 credits
Gen Ed* Area III – Social Sciences	3 credits
CGS 1543 Database Design and Implementation	3 credits
Gen Ed* Area IV Humanities	3 credits
GEB 1011 Introduction to Business	3 credits
	15 credits – semester two

Semester Three

CIS 1355 Security Engineering	3 credits
Gen Ed* Area V – Natural Sciences	3 credits
CET 2854 Wireless Networks	3 credits
CTS 2321 Linux System Administrations	3 credits
CAP 2140 Data Forensics- Specialization(Cybersecurity) or CTS 2391 Admin Window Server-Specialization (Network Admin)	3 credits
	15 credits – semester three

Semester Four

COP 2510 Programming Concepts or CGS 1949 Co-op Work Experience	3 credits

Choose a specialization:

Cyber-security

CTS 2352 Ethical Hacking	3 credits
CAP 2141 Data Forensics II	3 credits
CIS 2938 Current Issues in Cybersecurity	3 credits
CET 2890 Network Infrastructure Security	3 credits
	15 credits – semester four
	Total Hours – 60 Credits

OR

Network Administration

CTS 2433 SQL Implementation	3 credits
CET 1610 Router Technology	3 credits
CTS 2392 Configuring Advanced Windows Server Services	3 credits
CIS 2931 Administering Windows Server	3 credits
	15 credits – semester four
	Total Hours – 60 Credits