



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

The following is a recommended sequence of courses for completing this program. Developmental courses and prerequisite courses may not all be listed on the pathway below. Developmental courses and prerequisite course requirements, credit load and/or course availability may affect a student’s individual progress. The pathway below 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 meet with their program manager for advising each semester to better understand typical course availability and individual program planning as this plan is subject to change.

Required Courses and Recommended Sequence

Semester One - Fall

ENC 1101 Written Communication I	3 credits
CGS 1000 Computer Information Systems	3 credits
CTS 1150 Microcomputer Hardware and Maintenance	3 credits
COP 2510 Programming Concepts	3 credits
Total Credit Hours	12 credits

Semester Two - Spring

CET 1600 Networking Fundamentals	3 credits
Mathematics Choose from Category A, Area II, A.S.Excluding MGF 1106 and MGF 1107	3 credits
CGS 1543 Database Design and Implementation	3 credits
GEB 1011 Introduction to Business	3 credits
Total Credit Hours	12 credits

Semester Three - Summer

Social Sciences Choose from AMH 1020 or POS 1041	3 credits
CTS 2143 Server Fundamentals	3 credits
Total Credit Hours	6 credits

Semester Four - Fall

CTS 2375 Cloud Services	3 credits
CIS 1355 Security Engineering	3 credits
CTS 2321 Linux System Administrations	3 credits
CET 1605 CCNA1 Introduction to Networks	3 credits
Total Credit Hours	12 credits

Semester Five - Spring

Humanities Choose from category A, Area IV, A.S.	3 credits
CET 1610 CCNA2 Routing and Switching Essentials	3 credits
CIS 2931 Current Issues in Computing OR CGS 1949 Co-op Work Experience in Computer Science	3 credits
CTS 2433 SQL Implementation OR CIS 2121 Cybersecurity Analysis	3 credits
Total Credit Hours	12 credits

Semester Six - Summer

CCNA3 Enterprise Networking, Security and Automation	3 credits
Natural Science Choose from Category A, Area V, A.S.	3 credits
Total Credit Hours	6 credits
Total Degree Credit Hours	60 Credits