



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 1150C Microcomputer Hardware and Maintenance	3 credits
CET 1600 Networking Fundamentals (by permit)	3 credits
Total Credit Hours	12 credits

Semester Two - Spring

CTS 2390 Installing and Configuring Windows Server	3 credits
MAC 1105 (or higher) <i>Gen Ed Area II Mathematics</i>	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

Gen Ed Area III Social Science	3 credits
Gen Ed Area IV Humanities	3 credits
Total Credit Hours	6 credits

Students will choose one of three specializations: CyberSecurity (SEC), Network Administration (ADM) or Network Infrastructure (INF)

Semester Four - Fall

	SEC	ADM	INF
CIS 1355 Security Engineering	3 credits	3 credits	3 credits
CTS 2321 Linux System Administrations	3 credits	3 credits	3 credits
AST 1002 Descriptive Astronomy <i>or</i> BSC 1005C Diversity of Life <i>or</i> CHM 1020C The Chemistry of Everyday Life <i>or</i> ESC 1000C Earth and Space Science <i>or</i> EVR 1001 Introduction to Environmental Science <i>Gen Ed Area V Natural Science (one from above is recommended)</i> (SEC)	3 credits		
CAP 2140 Data Forensics – Specialization (SEC)	3 credits		
CET 2890 Network Infrastructure Security (SEC, INF)	3 credits		3 credits
CET 1605 CCNA1 Introduction to Networks (ADM, INF)		3 credits	3 credits

CET 1610 CCNA2 Routing and Switching Essentials (ADM, INF)		3 credits	3 credits
CTS 2391 Admin Window Server (ADM)		3 credits	
Total Credit Hours	15 credits	15 credits	15 credits

Semester Five - Spring

	SEC	ADM	INF
CET 2854 Wireless Networks	3 credits	3 credits	3 credits
CIS 2931 Current Issues in Computing <i>or</i> CGS 1949 Co-op Work Experience in Computer Science	3 credits	3 credits	3 credits
AST 1002 Descriptive Astronomy <i>or</i> BSC 1005C Diversity of Life <i>or</i> CHM 1020C The Chemistry of Everyday Life <i>or</i> ESC 1000C Earth and Space Science <i>or</i> EVR 1001 Introduction to Environmental Science <i>Gen Ed Area V Natural Science (one from above is recommended)</i> (ADM, INF)		3 credits	3 credits
CTS 2433 SQL Implementation (ADM)		3 credits	
CTS 2392 Configuring Advanced Windows Server Services (ADM)		3 credits	
CIS 2352 Ethical Hacking (SEC)	3 credits		
CIS 2938 Current Issues in Cybersecurity (SEC)	3 credits		
CAP 2141 Data Forensics II (SEC)	3 credits		
CET 2615 CCNA3 Scaling Networks (INF)			3 credits
CET 2620 CCNA4 Connecting Networks (INF)			3 credits
Total Credit Hours	15 credits	15 credits	15 credits
Total Degree Credit Hours	60 Credits	60 Credits	60 Credits