Network Management (A25590NM)
A.A.S. Degree (Full-Time)
PROGRAM PLANNING GUIDE

Updated: Fall 2025

Curriculum By Semester					
			Hours Per Week		
			Class	Lab	Credits
FALL SEMESTER					
CTI	110	Web, Pgm & Database Foundations	2	2	3
CTI	120	Network and Security Foundations	2	2	3
NOS	110	Operating System Concepts	2	3	3
SEC	110	Security Concepts	2	2	3
		Mathematics Elective	3	2	3
SPRING SEMESTER					
CSC	121	Python Programming	2	3	3
CTS	115	Info Sys Business Concepts	3	0	3
NET	125	Introduction to Networks	1	4	3
ENG	111	Writing and Inquiry	3	0	3
		Major Elective I	-	-	3
SUMMER SEMESTER					
NET	126	Switching and Routing	1	4	3
		Social and Behavioral Sciences Elec	-	-	3
		English Elective	3	0	3
FALL SEMESTER					
NET	225	Enterprise Networking	1	4	3
NET	115	Telecom for IT Professionals	2	2	3
NOS	120	Linux/UNIX Single User	2	2	3
NOS	130	Windows Single User	2	2	3
		Humanities and Fine Arts Elective	-	-	3
SPRING SEMESTER					
NET	226	Network Programmability	1	4	3
NOS	230	Windows Admin I	2	2	3
SEC	160	Security Admin I	2	2	3
		Project Elective	-	-	2

GRADUATION REQUIREMENT: **Credit Hours   65**

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Required Major Electives					
			Hours Per Week		
			Class	Lab	Credits
(choose a minimum of 3 credit hrs from the following courses)					
CTS	120	Hardware/Software Support	2	3	3
NET	135	Data Center Networking	2	2	3
NET	175	Wireless Technology	2	2	3
NET	270	Building Scalable Networks	1	4	3
NET	272	Multi-Layer Networks	1	4	3
NET	273	Internetworking Support	1	4	3

Project Electives					
(choose a minimum of 2 credit hrs from the following courses)					
NET	289	Networking Capstone	1	4	3
WBL	111MM	Work-Based Learning I-NM	0	10	1
WBL	112MM	Work-Based Learning 2-NM	0	20	2
WBL	113MM	Work-Based Learning 3-NM	0	30	3
WBL	121MM	Work-Based Learning 1-NM	0	10	1
WBL	122MM	Work-Based Learning 2-NM	0	20	2
WBL	123MM	Work-Based Learning 3-NM	0	30	3

General Education Electives					
English Electives					
(choose a minimum of 3 credit hrs from the following courses)					
COM	110	Intro to Communication	3	0	3
COM	120	Intro to Interpersonal Communication	3	0	3
COM	231	Public Speaking	3	0	3

Mathematics Electives					
(choose a minimum of 3 credit hrs from the following courses)					
MAT	121	Algebra/Trigonometry I	2	2	3
MAT	143	Quantitative Literacy	2	2	3
MAT	152	Statistical Methods I	3	2	4
MAT	171	Precalculus Algebra	3	2	4

Humanities and Fine Arts Electives					
(choose a minimum of 3 credit hrs from the following courses)					
HUM	115	Critical Thinking	3	0	3
HUM	110	Technology and Society	3	0	3
PHI	240	Introduction to Ethics	3	0	3

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Social and Behavioral Sciences Electives					
(choose a minimum of 3 credit hrs from the following courses)					
ECO	151	Survey of Economics	3	0	3
ECO	251	Principles of Microeconomics	3	0	3
POL	120	American Government	3	0	3
PSY	118	Interpersonal Psychology	3	0	3
PSY	150	General Psychology	3	0	3
SOC	210	Introduction to Sociology	3	0	3