



Network Systems Management

Associate in Applied Science

Recommended Course Sequence

First Semester – Fall

ENG 101	English Composition I	Credit: 3
REQ GEN	Select from General Education (IDS 109 Recommended)	Credit: 3
CPT 209	Computer Systems Management	Credit: 3
IST 166	Network Fundamentals	Credit: 3
IST 165	Implementing and Administering Windows Directory Service	<u>Credit: 3</u>
		Total: 15

Second Semester - Spring

IST 293	IT and Data Assurance I	Credit: 3
IST 201	Cisco Internetworking Concepts	Credit: 3
IST 190	Linux Essentials	Credit: 3
IST 202	Cisco Router Configuration	<u>Credit: 3</u>
		Total: 12

Third Semester - Summer

IST 253	LAN Service and Support	Credit: 3
MAT 110	College Algebra	Credit: 3
or		
MAT 120	Probability and Statistics	Credit: 3
or		
MAT 155	Contemporary Mathematics	Credit: 3
NSM ELE	Network Systems Management Elective 1	Credit: 3
IST 203	Advanced Cisco Router Configuration	<u>Credit: 3</u>
		Total: 12

Fourth Semester - Fall

IST 198	Cloud Essentials	Credit: 3
REQ SSC	Select from Behavioral/Social Sciences	Credit: 3
ENG 260	Advanced Technical Communications	Credit: 3
or		
MGT 270	Managerial Communication	Credit: 3
REQ HUM	Select from Humanities	<u>Credit: 3</u>
		Total: 12

Fifth Semester - Spring

IST 260	Network Design	Credit: 3
IST 298	Advanced Cloud Computing	Credit: 3
NSM ELE	Network Systems Management Elective 2	<u>Credit: 3</u>
		Total: 9

TOTAL SEMESTER HOURS

60

Network Systems Management Electives

Select two courses from the following pathways or other electives.

Cisco Network Administration Career Path

IST 206	Cisco Remote Access	Credit: 3
---------	---------------------	-----------

Linux System Administration Career Path

IST 191	Linux Systems Administration	Credit: 3
---------	------------------------------	-----------

IST 192	Linux Network Applications	Credit: 3
---------	----------------------------	-----------

Virtualization and Cloud Computing Career Path

CPT 180	Shell Scripting	Credit: 3
---------	-----------------	-----------

CPT 298	Introduction to Software as a Service (SaaS)	Credit: 3
---------	--	-----------

IST 253	LAN Service and Support	Credit: 3
---------	-------------------------	-----------

IST 298	Advanced Cloud Computing	Credit: 3
---------	--------------------------	-----------

Work Experience and Internship Career Path

CWE	Cooperative Work Experience	Credit: *
-----	-----------------------------	-----------

IST 286	Technical Support Internship I	Credit: 3
---------	--------------------------------	-----------

Other Electives

CPT 162	Introduction to Web Page Design	Credit: 3
---------	---------------------------------	-----------

CPT 172	Microcomputer Database	Credit: 3
---------	------------------------	-----------

CPT 242	Database	Credit: 3
---------	----------	-----------

IST 206	Cisco Remote Access	Credit: 3
---------	---------------------	-----------

MKT 130	Customer Service Principles	Credit: 3
---------	-----------------------------	-----------

*Students can apply a maximum of six hours of CWE credit.

Career Path Electives will apply directly to certificates offered by TTC. Students can complete classes towards both the NSM degree (AAS) and Certificates of Applied Science (CAS) by choosing the appropriate Career Path Electives; however, additional courses may be required for the desired CAS.