TRACK D: Network and System Virtualization Analyst Specialty

The Network Administration AAS degree: Network and System Virtualization Specialty program is designed to prepare student for positions in the networking, cloud, and virtualization field. The program curriculum covers planning, implementing, managing, and troubleshooting a network infrastructure. Topics include Microsoft client & server operating systems, Linux client & server operating systems, PC hardware, routing, security, and server applications.

Upon completion of this program, students are eligible to take the CompTIA A+ Certification test, CompTIA Security+ Certification test, CompTIA Network + Certification test, CompTIA Cloud + Certification test, and AWS Certification test.

College Readiness Courses (if needed)

Semester I

ITSC 1316	Linux Installation and Configuration
ITSC 1325	Personal Computer Hardware
ITSC 1305	Introduction to PC Operating Systems
MATH 1314	College Algebra
ITCC 1414	CCNA 1: Introduction to Networks

Semester II

ENGL 1301	Composition I
ITSY 1342	Information Technology Security
ITNW 1316	Network Administration
ITNW 1313	Computer Virtualization
ITCC 1444	CCNA 2: Switching, Routing, and Wireless Essentials

Semester III

ITNW 1172	Select Topics in Computer Systems Networking and Telecommunications
ITSC 2325	Advanced Linux
ITSY 2301	Firewalls and Network Security
ITNW 1309	Fundamentals of Cloud Computing

Social/Behavioral Sciences from the AAS General Education Course List

Semester IV

ENGL 2311	Technical & Business Writing
ITNW 1375	Amazon Web Services (AWS)
ITNW 1335	Information Storage and Management
ITNW 2355*	Server Virtualization (Capstone Course)

Humanities/Fine Arts from the AAS General Education Course List

Total Semester Hours – 60

*Students must earn a grade of "C" or higher in ITNW 2355 in order to graduate.