

NETWORK AND SYSTEM ADMINISTRATION, A.A.S.

Entry Time

Fall

Award

Associate of Applied Science degree
2 years (4 terms)

Network and system administrators work in a fast-paced and challenging area of technology that designs, builds, integrates, maintains and secures local area networks. They design and support server systems and related software, as well as provide end-user support for all LAN-based applications.

Network Administration students will specialize in LAN and WAN infrastructure including wireless, desktop systems and protocol suites.

In addition to training for the specialization, this program also focuses on communication skills, professionalism, critical thinking and problem solving, teamwork and life-long learning that are essential for success in the workplace and in life.

The program strives to be vendor neutral to give the graduate the greatest breadth of preparation. In addition to the degree and with additional study, coursework should prepare the student for some of the following industry credentials:

- CompTIA A+
- CompTIA Network+
- CompTIA Security+
- Microsoft Certified Solution Associate
- CompTIA Linux+
- Cisco Certified Network Associate
- Microsoft Certified Professional
- Microsoft Certified Solutions Expert
- VMware Certified Professional

Career Opportunities

- network field technician
- network engineer
- network support technician
- network control operator
- assistant network administrator
- assistant systems administrator

Degree Requirements

Course	Title	Credit Hours
Term 1		
NET-130	Computer Concepts ¹	3
NET-165	Network Plus ¹	3
CIS-207	Fundamentals of Web Programming ¹	3

CIS-121	Introduction to Programming Logic ¹	3
ENG-105	Composition I	3
	Term Totals:	15
Term 2		
NET-235	CCNA Cisco 1 ¹	3
NET-630	Ethics in Information Technology ¹	3
Math Course		3
NET-650	Cloud Infrastructure ¹	3
NET-168	Administering Windows Server ¹	3
	Term Totals:	15
Term 3		
NET-236	CCNA Cisco 2 ¹	3
NET-600	Network Security Basics ¹	3
NET-176	Administering Red Hat Server ¹	3
NET-616	VMware VCP ¹	3
MKT-180	Customer Service Strategies	1
Communication Course		3
	Term Totals:	16
Term 4		
NET-619	Network Attacks: Detection, Analysis & Countermeasures ¹	3
NET-844	Network/Systems Capstone ¹	3
Humanities or History/Culture Course (https://creditcatalog.kirkwood.edu/aas-degree-humanities-requirement/)		3
NET-237	CCNA Cisco 3 ¹	3
MGT-145 or PSY-111	Human Relations in Management or Introduction to Psychology	3
Select one of the following:		1
WBL-110	Employability Skills	
MGT-121	Project Management Basics	
WBL-146	Workplace Project Based Learning: Information Solutions	
	Term Totals:	16
	Program Totals:	62

¹ Minimum grade of C- for graduation