

Computer Network Technology



HEARTLAND
COMMUNITY COLLEGE

Associate in Applied Science 66 Semester Hours

General Education Requirements			hrs
COMM	101	Intro to Oral Communication	3
ENGL	101	Composition I	3
		Math Elective	4
		Physical Science Elective	4
		Social Science or Humanities Elective	3
		TOTAL	17
Technical Requirements			
BUSN	145	Employment Success Strategies	1
CSCI	101	Intro to Computer Information Science	4
CSCI	130	Computer Science I	4
NETW	121	Networking Fundamentals	3
NETW	122	Routing Protocols and Concepts	3
NETW	150	Workstation Operating Systems	3
NETW	151	PC Hardware Maintenance & Repair	3
NETW	162	Networking Technologies	4
NETW	166	Windows Workstation Administration	3
NETW	167	Windows Server Administration	3
NETW	170	Network Security Fundamentals	3
NETW	182	Linux Administration	3
		TOTAL	37
Technical Elective/Specialization			
		Technical Electives*	12
		TOTAL	12

Program Description

By enrolling in the Computer Network Technology program, you have hands-on opportunities to gain real-world PC and networking experience. You learn to install and configure popular computer components, operating systems, network cabling, network devices, and network security. Depending on the electives you select, you may choose to specialize in Linux or Windows operating systems, or in routing and switching with Cisco equipment. When you complete this program, you can seek employment as a network administrator, PC/network technician, help desk technician, and computer operator; you may also be ready to take industry standard certifications (such as CCNA, A+, Network+, and MCSA).

Students may select electives from the following courses in Cisco, Windows, or other electives as approved.

Cisco

NETW	123	Local Area Networks	3
NETW	124	Wide Area Networks	3
NETW	172	Wireless Networking with Security	3
NETW	221	Advanced Routing	3
NETW	223	Advanced Switching	3
NETW	271	Cisco Router Security	3
NETW	272	Configuring Cisco PIX Boxes	3
NETW	283	Introduction to Voice Over IP	3

Windows

NETW	261	Windows Network Infrastructure	3
NETW	262	Windows Directory Services	3

Other

NETW	160	Introduction to Networking	3
NETW	183	Linux Security	3
NETW	208	Data and Cabling Systems	3
NETW	296	Special Topics in Networking	3
TECH	299	Internship in Technology	3

*Technical electives may be taken as approved by advisor or STEM & Business Division; consider choosing these electives in order to earn additional Skills Certificates.