

# Computer Networking Technology



HEARTLAND  
COMMUNITY COLLEGE

## Associate in Applied Science 65 Semester Hours

### General Education Requirements

COMM 101	Intro to Oral Communication	3 hrs.
ENGL 101	Composition I	3
	Math Elective	4
	Science Elective with Lab	4
	Social Science or Humanities Elective	3
	<b>TOTAL</b>	<b>17</b>

### NETW Core Requirements

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
	<b>TOTAL</b>	<b>36</b>

### Technical Elective/Specialization

Elective Courses *	<b>TOTAL</b>	<b>12</b>
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*\*Technical electives as approved by advisor or Technology Division.*

**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

### Program Description

The Associate in Applied Science degree in computer networking technology prepares the student for a variety of entry-level positions. Examples include network administrator, PC/network technician, help desk technician and computer operator. Students receive hands-on PC and network experience in a variety of popular network components, including Linux and Microsoft Windows network operating systems, as well as network hardware installation and configuration, such as Cisco Networking equipment.



Last update: 02/17/10