



# ASSOCIATE IN COMPUTER NETWORK ENGINEERING

## CNE CORE REQUIREMENTS (50 CREDITS)

CIS 121	Introduction to Computer Information Systems	5
CIS 122	Structured Program Design	5
CIS 134	Microcomputer Operating Systems	5
CIS 150	Installation and Troubleshooting	5
CIS 265	Data Communications and Networks	5
CNE 231	Windows Client Operating System	5
CNE 232	Manage Windows Server	5
CNE 240	Computer Hardware Troubleshooting	5
CNE 251	UNIX Administration	5
CNE 290	Networking Internship ( <i>in chosen track</i> )	5

## RELATED INSTRUCTION (25 CREDITS)

BUS 240	Human Relations in the Workplace	5
ENGL& 101	English Composition 1	5
ENGL& 235	Technical Writing	5
MATH& 107	Math in Society	5
<i>Select one:</i>		5
CMST& 101	Introduction to Communication	
CMST& 220	Public Speaking	

*Choose ONE of the following Microsoft Networking or Unix Networking tracks:*

## MICROSOFT NETWORKING TRACK (25-30 CREDITS)

CNE 235	Implement and Maintain Windows Server Infrastructure: Network Infrastructure	5
CNE 237	Plan, Implement & Maintain Active Directory Infrastructure	5
CNE 238	Designing Security for a Windows Network	5
CNE 246	Windows Server Applications Infrastructure	5
CNE 247	Windows Server Enterprise Administration	5
CNE 254	Fundamentals of Network Security	5

*The following three courses may be taken in lieu of MSCE Track courses above at the discretion of the Program Advisor or Coordinator:*

CNE 238	Designing Security for a Windows Network	5
CNE 253	Deploy and Maintain ISA Server	5
CNE 254	Fundamentals of Network Security	5

## UNIX NETWORKING TRACK (25 CREDITS)

CNE 233	Maintain Windows Environment	5
CNE 234	Implement Windows Infrastructure	5
CNE 235	Implement and Maintain Windows Server Infrastructure: Network Infrastructure	5
CNE 236	Planning and Maintaining Windows Server Network Structure	5
CNE 237	Plan, Implement & Maintain Active Directory Infrastructure	5

**Total Credits Required**

**100-105**

## Notes:

# ASSOCIATE IN COMPUTER NETWORK ENGINEERING

The Computer Network Engineering program, offered at Pierce College's Puyallup and Fort Lewis sites, deals with computer and network installation and support. The course of study provides training and hands-on experience with microprocessors, operating systems, hardware/software troubleshooting, and a full range of network administration/design/installation/support activities. This is a professional/technical program, based upon current industry standards developed by Microsoft and the Computing Technology Industry Association (CompTIA). Students will be provided a foundation leading to industrial certification. Potential employment opportunities upon completion of the program are with companies that use or service networked computer systems. Students receive training and hands-on experience with microprocessors, operating systems, hardware/software troubleshooting and a full range of network administration design, installation and support activities.

## **Network Engineer**

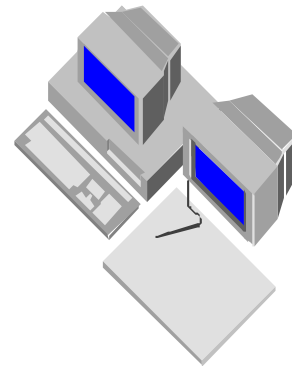
## **Network Administrator**

*Special funding may be available for unemployed workers and low-wage working parents. See your advisor or call (253) 964.6265.*

*Pierce College does not discriminate on the basis of race, color, national origin, sex, sexual orientation, disability or age in its programs and activities.*

*(A transfer degree toward Computer Education, Computer Engineering, Computer Graphics, Computer Science and Management Information Systems four-year programs)*

Because requirements for transfer students vary greatly among four-year institutions, it is imperative that students contact their educational institution of choice regarding specific course needs and transferable credits. See a CIS advisor for assistance.



## **For More Information:**

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Office of Professional/Technical Education  
(253) 964.6645

## **Related Codes**

Intent: **F or J**

Assoc CNE: **527**