Computer Technology, AAS
NETWORKING
School of Technology

Program Description

The Computer Technology, Networking AAS program provides students with extensive hands-on instruction in all facets of network operation and administration. Cisco Systems is the world leader in networking for the internet. Cisco networking technicians and professionals design, build, maintain and troubleshoot computer network systems. Graduates can work anywhere computer networks are used (LANs or WANs). These include corporations, offices, banks, hospitals, schools and all levels of government.

Career Opportunities

Graduates of the Computer Technology, Networking AAS program may find employment as network administrators, network engineers, systems analysts, network technicians, technical sales representatives, customer service representatives, technical support analysts or IT trainers. Job opportunities will be available with network consulting and design firms as well as with any company that deploys a network. Certification is the key to this field. The more credentials the better. Our certificates and degrees prepare students to pass Cisco certification exam for Cisco Certified Entry Networking Technician (CCENT) and CompTIA A+ certification.

Program Learning Outcomes

Upon successfully completing this program, students will be able to:
- Install, configure, maintain and troubleshoot computer hardware.
- Analyze and design networking solutions for the organization.
- Configure and maintain network resources to satisfy organization requirements.
- Provide training and support to end users of networked equipment.
- Identify the resources needed to advance technical skills as the networking field changes.
- Establish proficiency in Microsoft Windows and Linux networking operating systems.
- Develop oral, written and listening communication skills.
- Integrate and apply mathematical skills to solve quantitative problems.

Sugg. Term	Seq #	Course ID	Course Title	Cr.	Prereq/Coreq(Co)	Options Available
1st Fall	1	PDV 101	First Year Seminar	1		
	2	CPT 145	Introduction to Computer Technology	3		
	3	CPT 150	Microcomputer Concepts	3		
	4	CPT 172	Introduction to Networks (Cisco I)	4		
	5	ENG 161	College Writing	3	ENG 085 or Placement	
	6	MTH 157	College Algebra	3	MTH 100 or Placement	Page 47 Column IV
1st Spring	7	CIS 209	Network Security Fundamentals	3		
	8	CPT 182	Operating Systems	3	CPT 145	
	9	CPT 216	Routing and Switching Essentials (Cisco II)	4	CPT 172	
	10	CPT 161	Introduction to Cloud Computing	3		
	11	ENG 162	Technical Communication	3	ENG 161	ENG 163
2nd Fall	12	SOC 155	Principles of Sociology	3		Page 47 Column III
	13	CPT 214	Wireless Communication	3	CPT 172 or CPT 183	
	14	SPC 155	Effective Speech	3		SPC 156
	15	CPT 248	PC Hardware	3		
	16	CPT 262	Windows Client Server	3	CPT 182	
2nd Spring	17	CPT 256	Linux Desktop	3		
	18	CPT 249	PC Troubleshooting	3	CPT 248	
	19	CIS 265	Penetration Testing	3		
	20	CPT 264	Windows Server Management	3	CPT 262	
	21	CPT 286	System Analysis and Design	3		

Minimum Program Credits   63   CON