

COMPUTER NETWORK TECHNOLOGY PROGRAM

Computer Technology is an exciting field that presents many opportunities for a student to be proficient in both computer systems and applications. The rapid spread of computers and advances in information technology has generated a need for highly trained workers to design and manage new information systems that use these technologies to meet the needs of the business organization.

The Computer Technology program at SUSLA gives graduates quick acknowledgement of success with a minimum amount of coursework in relatively few academic semesters. The curriculums are designed along industry area expertise and taught by experienced professionals. The coursework combines instructor-led and online learning with hands-on laboratory exercises, where students apply what they learn in class while working on actual systems. In addition to regular training, the curriculums are designed to help students improve math, science, writing, and problem-solving abilities. Learning objectives are closely tied to industry-based certification curriculums, the national math and science standards, as well as workforce competencies requirements. This provides graduates the opportunity to enter the workforce highly prepared at a faster pace, able to support enterprise systems and solve problems that are encountered when working in this ever-changing and growing field.

The Computer Technology program at SUSLA currently offers certification in Computer Networking Technology. Areas of study include specializations in Cisco Systems Networking, Microsoft Systems Networking, CyberSecurity, and Convergence Technologies. Plans are underway to offer curriculums in Database Technology and Computer Software Engineering.

COMPUTER NETWORKING TECHNOLOGY (Certificate of Technical Studies)

The Computer Networking Technology program prepares graduates with skills needed to design and install secure network systems based on customer requirements, monitor network traffic and security, and maintain computer network hardware and software. The skills acquired will enable the student to support different network topologies and solve problems that are encountered in the field. The certificate program offers specializations in Cisco Systems Networking, Microsoft Systems Networking, CyberSecurity, and Convergence Technologies. Courses and extensive hands-on training prepares students for the workforce and for professional certification exams including Cisco CCNA, CCNP, Microsoft MCSA, MCSE, Comp TIA A+, Network+, Security+, etc. Skills acquired can be applied toward a college degree, update current job requirements, or enable graduates to secure new career opportunities in a fast-growing and high-demand occupation in the following areas:

- Network Design Specialist
- Network Management
- Network Security Administrator
- CyberSecurity Analyst
- Computer System Forensics
- Hardware/Software Installation
- Information and Communication Technology (ICT) Specialist
- Wireless Communications Specialist
- Home Technology Integrator
- Help-Desk Technical Support
- Technical Customer Service Representative

**COMPUTER NETWORK TECHNOLOGY
(Certificate of Technical Studies Programs)**

FIRST SEMESTER				SECOND SEMESTER			
	No.	Course	Cr.		No.	Course	Cr.
CNET	180	CCNA 1: Cisco Network Basics	4	CNET	211	CCNA 3: Switching Basics & Intermediate Routing	4
CNET	185	CCNA 2: Router & Routing Basics	4	CNET	216	CCNA 4: WAN Technologies	4
CNET	191	CCNA Practicum/Coop I	3	CNET	220	CCNA Certification Review	3
		CCNA Approved Elective	3	CNET	226	Practicum/Coop II	3
TOTAL			14	TOTAL			14
TOTAL CREDIT HOURS: 28							

ADVANCED CISCO SYSTEMS NETWORKING (CCNP)

FIRST SEMESTER				SECOND SEMESTER			
	No.	Course	Cr.		No.	Course	Cr.
CNET	280	CCNP 1: Adv. Routing	4	CNET	290	CNNP 3: Cisco Multilayer Switch	3
CNET	282	CCNP 2: Remote Access Netwrks	4	CNET	292	CNNP 4: Network Troubleshoot	4
CNET	284	CCNP Practicum/Coop I	3	CNET	293	CCNP: Certification Review	3
CCNP		Approved Elective	3	CNET	294	CCNP Practicum/Coop II	3
TOTAL			14	TOTAL			14
TOTAL CREDIT HOURS: 28							

CISCO CONVERGED NETWORKING

FIRST SEMESTER				SECOND SEMESTER			
	No.	Course	Cr.		No.	Course	Cr.
CNET	195	Fund. of Cisco Wireless LANs	4	CNET	272	Wireless Telephony Systems	4
CNET	196	Voice Video & Data Inter.-Conv.	4	CNET	275	Advanced Wireless Networks	4
CNET	198	Voice-over-Internet Protocol	3	CNET	279	Case Study II: Enterpr. Ntwrk	3
CNET	271	Case Study I: SOHO (Small Office Home Office)	3			Approved Elective	3
TOTAL			14	TOTAL			14
TOTAL CREDIT HOURS: 28							

MICROSOFT SYSTEMS NETWORKING (MCSA)

FIRST SEMESTER

SECOND SEMESTER

	No.	Course	Cr.		No.	Course	Cr.
CNET	150	Network +	3	CNET	205	Administering Servers	4
CNET	156	Support. Mircsft. Wndws Client Oper. Syst. (XP/Vista)	3	CNET	206	Implement & Maintaining Windows Server Sys. Envir.	4
CNET	170	MCSA Practicum/Coop I MCSA Approved Elective	3 3	CNET	209	MCSA Practicum/CoopII MCSA Approved Elective	3 3
TOTAL			12	TOTAL			14

TOTAL CREDIT HOURS: 26

ADVANCED MICROSOFT SYSTEMS NETWORKING (MCSE)

FIRST SEMESTER

	No.	Course	Cr.
CNET	232	Implementing & Managing Windows Server Sys. Network Infrastructure	4
CNET	234	Implementing & Managing Windows Server System Active Directory	4
CNET	240	MCSE Practicum/Coop I MCSE Approved Elective MCSE Advanced Microsoft Elective	3 3 4
TOTAL			18

TOTAL CREDIT HOURS: 18

CYBERSERCUIITY

FIRST SEMESTER				SECOND SEMESTER			
	No.	Course	Cr.		No.	Course	Cr.
CNET	246	Operating Sys. Security	3	CNET	252	Computer System Forensics	3
CNET	248	Incident Response & Handling	3	CNET	254	Security Assess. & Auditing	3
CNET	249	Firewalls & Network Security	4	CNET	256	Security Mgmt Practices	4
CNET	250	Security Practicum/Coop I	3	CNET	260	Security Practicum/Coop II	3
			3				13
TOTAL			13	TOTAL			13

TOTAL CREDIT HOURS: 26