PROGRAMS

COMPUTER ENGINEERING TECHNOLOGY - SECURITY (A40160SE)

Pathway Description These curriculum s are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course or includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians.

Computer Engineering Technology course of study that prepares the students to use basic engineering principles and technical skills for installing, servicing, and maintaining computers, peripherals, networks, and microprocessor and computer-controlled equipment. Includes instruction in mathematics, computer electronics and programming, prototype development and testing, system s installation and testing, solid state and micromioniature circuitry, peripheral equipment, and report preparation.

Graduates should qualify for employment opportunities in electronics technology, computer service, computer network, server maintenance, programming, and other areas requiring knowledge of electronic and computer system s. Graduates may also qualify for certification in electronics, computers, or networks.

Associate in Applied Science Degree Program

		Course Hours Per Semester		
First Semester Fall		Class	Lab	Credit
C	Success Study Skills			
C	Introduction to Computers			
C	Circuit Analysis			
T	Introduction to Networks			
C	Security Concepts			
	Credit Hours	8	13	14
Second Semester Spring				
	Analog Electronics			
	Writing and Inquiry			
T	T or T			
T	Switching and Routing			
	Credit Hours	9-10	9	13-14
Third Semester Summer				

Course	Hours per	Semester
		Hours

Digital Electronics

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or Physics- echanics or

College Physics

Credit Hours	8	7	11

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Credit Hours	12	8	15

T- omputer pgrade epair

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Technical lecti e