

AS Computer Information Technologist

The Computer Information Technology program prepares students for a variety of career opportunities including database design and administration, software development, network and systems administration, computer system analysis, and computer help desk and system support. This program provides students with a core of general education and computer information systems courses coupled with a flexible set of elective requirements. This Associates of Sciences degree program incorporates the latest emerging technologies and skills employers are seeking today. Elective courses beyond the core may be chosen to develop specialization in a selected area or to obtain a broader understanding of certain computer technologies and how they fit together.

SEMESTER 1 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CIS 50 (Intro to Computer Info Tech)	3		Fall, Spring, & Summer
CS 7 (Intro to Computer Programming Concepts)	3		Fall, Spring, & Summer
ENG 1A (Critical Reading and Composition)	3	ENG 104 or ENG 105 with a "Pass" or ESL 25 or equivalent course or appropriate skill level demonstrated through the English assessment process (Pre-Requisite)	Fall, Spring & Summer
MATH 55 (Intermediate Algebra)	5	MATH 65 or MATH 65B (Pre-Requisite)	Fall, Spring & Summer
SEMESTER TOTAL	14		

SEMESTER 2 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CIS 65 (Introduction to Desktop Operating Systems) OR CNT 50 (Introduction to Desktop Operating Systems)	2	CIS 50 (Strongly Recommended)	Fall & Spring
CIS 66 (Networking Fundamentals) OR CNT 52 (Networking Fundamentals)	3	CIS 50 (Strongly Recommended)	Fall & Spring
CS 1 (Computing Fundamentals) OR CS 31 (Java Programming)	4	MATH 107 (Strongly Rec. for CS 1) OR CS 1 & CS 7 (Strongly Rec. for CS 31)	CS 1 (Fall & Spring) / CS 31 (Fa Only)
CIS 43 (Professional Communications)	3	ENG 1A (Pre-Requisite)	Fall & Spring
General Education Course (Natural Science)	3		Fall, Spring & Summer
SEMESTER TOTAL	15		

SEMESTER 3 - SUMMER

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
General Education Course (Humanities/American Cultures)	3		Fall, Spring & Summer
General Education Course (Kinesiology)	1		Fall, Spring & Summer
SEMESTER TOTAL	4		

SEMESTER 4 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CNT 69 Network Security Sec+	3	CNT 51B (Strongly Recommended) OR CIS 50 and CNT 51A (Strongly Recommended)	Fall
CIS 60 Systems Analysis and Design	3	CIS 50 (Strongly Recommended)	Fall
CS 41 Intro to LINUX/UNIX, LINUX+ OR CNT 7401 Intro to LINUX/UNIX, LINUX+	4	CIS 50 (Strongly Recommended)	Fall
Computer Network Tech Electives*	2-4	<i>See Below</i>	<i>See Below</i>
SEMESTER TOTAL	12-14		

SEMESTER 5 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CIS 90.02 ORACLE: Database Design and SQL Programming	3	CIS 57 (Strongly Recommended)	Fall & Spring
INTN 1 Internship Seminar & INTN 2 (Internship Field Placement) OR WRKX 96 Work Experience Seminar & WRKX 95 Work Experience OR CS 47 (Capstone Project)	3	INTN 2 (Co-Requisite) OR WRKX 95 (Co-Requisite)	Fall, Spring & Summer CS 47(Sp Only)
Computer Network Tech Electives***	2-4	<i>See Below</i>	<i>See Below</i>
Computer Network Tech Electives***	2-4	<i>See Below</i>	<i>See Below</i>
General Education Course (Social & Behavioral Science)	3		Fall, Spring & Summer
SEMESTER TOTAL	13-17		
Total Major Coursework	41		
Total Units Required (Minimum)	60		

COMPUTER NETWORK TECHNOLOGY ELECTIVES (Select from the list below for a total of 10 units)***

Programming Electives			
CS 2 Computing Fundamentals	4	CS 1 (Strongly Recommended)	Fall & Spring
CS 20 Adv Prog w/data Structures/C++	4	CS 2 (completed with a grade of "C" or higher) (Pre-Requisite)	Fall
Networking/A+ Electives			
CNT 51 CompTIA's A+ Certification Computer Technician	4	CNT 50 (Strongly Recommended)	Fall & Spring
CNT 55 Installing & Configuring Windows Server MCSA II	3	CNT 51B (Strongly Recommended) & CNT 52 (Strongly Recommended)	Spring
CNT 56 Administering Windows Server MCSA II	3		Fall
Database/Project Management Electives			
CIS 62 Project Management	3	CIS 60 (Strongly Recommended)	TBA
CIS 90.01 Database Design Methodology	2		Fall

NOTE: Completion of LPC's General Education Pattern for Associate in Science Degree is required.

Last Updated: 12/15/16