

AA Computer Information Systems

Computer Information Systems (CIS) degree and certificate programs are for the business professional with an emphasis on a variety of computer subjects applicable to the “real business world.” The types of jobs held by computer professionals fall into several general categories, including computer design and manufacturing, computer sales and service, system development and programming, and computer operations.

SEMESTER 1 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CIS 50 (Intro to Computer Info Tech)	3		Fall, Spring, & Summer
CIS 88A (Introduction to Microsoft Word for Windows)	1.5	CIS 71A (Strongly Recommended)	Fall & Spring
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
General Education Course (Natural Science)	3		Fall, Spring & Summer
SEMESTER TOTAL	15.5		

SEMESTER 2 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CIS 65 (Introduction to Desktop Operating Systems)	2	CIS 50 (Strongly Recommended)	Fall & Spring
CIS 55 (Integrating Office Applications)	4	CIS 50 (Strongly Recommended)	Fall & Spring
CIS 88B (Advanced Microsoft Word for Windows)	1.5	CIS 88A (Strongly Recommended)	Fall & Spring
CIS 54 (Excel: Introduction to Spreadsheets)	4	CIS 50 (Strongly Recommended)	Fall & Spring
ENG 4 (Critical Thinking and Writing about Literature) OR ENG 7 (Critical Thinking and Writing)	3	ENG 1A (Pre-Requisite)	Fall, Spring, & Summer
SEMESTER TOTAL	14.5		

SEMESTER 3 - SUMMER

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
General Education Course (Humanities/American Cultures)	3		Fall, Spring & Summer
General Education Course (Wellness- Areas of Health)	3		Fall, Spring & Summer
SEMESTER TOTAL	6		

SEMESTER 4 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CIS 43 (Professional Communications)	3	ENG 1A (Pre-Requisite)	Fall & Spring
CIS 66 (Networking Fundamentals)	3	CIS 50 (Strongly Recommended)	Fall & Spring
CIS 57 (Access: Introduction to Databases)	4	CIS 50 (Strongly Recommended) & CIS 55 (Strongly Recommended)	Fall & Spring
System Analysis and Project Management Options (CIS 60)**	3	CIS 50 (Strongly Recommended)	Fall
Programming and Web Design Options***	2	<i>See Below</i>	<i>See Below</i>
SEMESTER TOTAL	15		

SEMESTER 5 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
System Analysis and Project Management Options (CIS 62 or CIS 70)**	2-3	CIS 60 (Strongly Recommended for CIS 62)	TBA
Programming and Web Design Options***	4	<i>See Below</i>	<i>See Below</i>
General Education Course (Social & Behavioral Science)	3		Fall, Spring & Summer
General Education Course (American Institutions)	3		Fall, Spring & Summer
General Education Course (Wellness-Kinesiology)	1		Fall, Spring & Summer
SEMESTER TOTAL	13-14		
Total Major Coursework	37		
Total Units Required (Minimum)	60		

System Analysis and Project Management Options (Select from the list below for a min. of 5 units)**			
CIS 60 (Systems Analysis and Design)	3	CIS 50 (Strongly Recommended)	Fall
CIS 62 (Project Management)	3	CIS 60 (Strongly Recommended)	TBA
CIS 70 (Project Management Tools)	2		TBA
Programming and Web Design Options (Select from the list below for a min. of 6 units)***			
CIS 80 (Introduction to Programming: Visual Basic)			TBA
CIS 68 (Using Visual Basic for Microsoft Office Applications)			TBA
CIS 59A (Web Development: HTML/XHTML)	2	CIS 50 (Strongly Recommended)	Fall & Spring
CIS 59B (Web Development: DHTML, CSS, JavaScript)	2	CIS 59A (Strongly Recommended)	Fall & Spring
CIS 69 (Web Development: Web Design Technologies and Tools)			TBA
CIS 46 (Game Programming: 2D and 3D)	3		TBA
CIS 59C (JavaScript and Ajax)	4	CIS 50 (Strongly Recommended)	Spring

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

Note: Other classes may be substituted to meet the Programming requirement.

Please consult Discipline Coordinator, 925.424.1194

Last Updated: 12/15/16