Crafton Hills College
Associate of Science
COMPUTER INFORMATION SYSTEMS (CIS)
2013-2014

Student Name: _____

ID #: _____

Date: _____

Counselor: _____

A student receiving a degree in this field will be able to:
- Apply analytical and logical thinking to gathering and analyzing information, designing and testing solutions to problems, and formulating plans
- Discuss the impact of information technology on society and the workplace
- Work collaboratively in a team setting
- Select and evaluate appropriate written communication strategies and styles for a specific purpose
- Demonstrate knowledge of individual parts that make up a stand-alone PC computer system
- Create and maintain Web pages
- Demonstrate an understanding of the overall design and components of a LAN and WAN system

To complete the requirements for the Associate of Arts for this degree*, a student must:
1. Complete the requirements for an associate degree.
2. **Complete a minimum of 27.75-28.75 units with a "C" or better in each course** in the following major.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

Required Courses:		Units	IP	Need	Grade
CIS 101 **or** BUSAD 230	Introduction to Computer and Information Technology or Using Computers for Business	3			
CIS 104 **or** CIS 113 **or** CIS 114 **or** CSCI 110	Object Oriented Programming with Visual Basic or Java Programming or C++ Programming I or Introduction to Computer Science I	3-4			
CIS 111	Web Page programming and Design	3			
CIS 130	Hardware and Information Technology	3			
CIS 140	Networking for Home and Small Businesses (Cisco CCNA 1)	3.75			
Total Required Units:		15.75-16.75			

Select <u>one area of emphasis</u> from the following three options:

Emphasis in Programming: Complete at least twelve (12) additional units from the following courses:		Units	IP	Need	Grade
CIS 104	Object Oriented Programming with Visual Basic	3			
CIS 113 **or** CIS 114 **or** CSCI 110	Java Programming or C++ Programming I or Introduction to Computer Science I	3-4			
CIS 116 **or** CSCI 120	C++ Programming II or Introduction to Computer Science II	3-4			
CIS 117	Scripting	3			
Total Additional Emphasis Units:					

Emphasis in Web Design: Complete at least twelve (12) additional units from the following courses:		Units	IP	Need	Grade
CIS 117	Scripting	3			
CIS 161	Website Design & Programming Using Dreamweaver	3			
CIS 162	Introduction to Flash	3			
CIS 180	Computer Graphics with Adobe Illustrator	1-3			
CIS 211	Cascading Style Sheet (CSS) Web Design	3			
Total Additional Emphasis Units:					

Emphasis in Computer Assisted Graphic Design: Complete at least twelve (12) additional units from the following courses:		Units	IP	Need	Grade
ART 120 **or** ART 124	Foundations of Two-Dimensional Design or Drawing I	3			
CIS 163	Introduction to PhotoShop	3			
CIS 165	Introduction to 3D Modeling & Animation	3			
CIS 166	Advanced 3D Modeling & Animation	3			
CIS 180	Computer Graphics with Adobe Illustrator	1-3			
CIS 182	Desktop Publishing with Adobe InDesign	1-3			
CIS 184	Photoshop and Digital Photography	3			
Total Additional Emphasis Units:					

	Units	
Total Required and Additional Emphasis Units:	27.75-28.75	

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from Associate degree requirements. Prospective students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.