

**DEGREE MAP**

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Basic Skills requirements and prerequisites, and presumes a fall start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

**Program Name:** Computer Information Systems-Associate of Applied Science Degree

**Location(s) Offered:**

Sierra Vista Campus (CIS 185 is offered only through the Virtual Campus.)

**Learning Outcomes:** *Students who successfully complete this program will be able to do the following:*

1. Effectively communicate technical concepts to a variety of stakeholders.
2. Demonstrate broad knowledge across various types of information systems.
3. Exhibit proficiency with the Internet and with World Wide Web technologies.
4. Create solutions to typical information systems problems; and demonstrate an understanding of basic information systems functions.
5. Utilize spreadsheet applications to support decision making and to facilitate effective problem solving.
6. Utilize database applications to support decision making and to facilitate effective problem solving.
7. Identify and explain the basic functions, uses, and features of any operating system using proper terminology.
8. Describe the major components of a modern networked environment.

**Course or program prerequisite(s) not included in the degree:**

CIS 179 Applied Technical Writing requires RDG 122 Reading Critically or exemption.  
CIS 294 Field Experience in Computer Information Systems requires a declared major in a computer information systems discipline and permission of the cooperative education program coordinator.  
ENG 101 Composition requires appropriate English placement score (or see advisor).  
MAT 142 College Mathematics requires appropriate mathematics placement score (or see advisor).

**Program Reviewed:** Feb 22, 2016

**Key:**

*IW=Intensive Writing*  
*F2F=Face-to-Face Instruction*  
*ITV=Instructional Television*  
*VC=Virtual Campus/Online*

<i>Requirements</i>	<i>Course(s) Recommended</i>	<i>Delivery Method</i>	<i>Credits</i>
<b>First Semester (Fall):</b>			
Core Curriculum	CIS 130 Programming Logic	F2F,VC	3
Core Curriculum	CIS 140 Introduction to Operating Systems	F2F,VC	3
Core Curriculum	CIS 150 Essentials of Networking	F2F,VC	3
General Education-Composition	ENG 101 Composition	F2F,VC	3
General Education-Technology Literacy	CIS 120 Introduction to Information Systems	F2F,VC	3
<b>Second Semester (Spring):</b>			
Core Curriculum	CIS 268 Technical Presentations	F2F,VC	3
General Education-Composition	ENG 102 English Composition	F2F,VC	3
General Education-Liberal Arts		F2F,VC	3
General Education-Mathematics	MAT 142 College Mathematics or higher	F2F,VC	3-4
Elective*		F2F,VC	3-4
<b>Third Semester (Fall):</b>			
Core Curriculum	CIS 179 Applied Technical Writing	F2F,VC	3
Core Curriculum	CIS 181 Computer Applications	F2F,VC	3
Core Curriculum	CIS 185 Internet Essentials	VC**	3
Core Curriculum	CIS 294 Field Experience in CIS	F2F	1
General Education-Liberal Arts		F2F,VC	3
Elective*		F2F,VC	4
<b>Fourth Semester (Spring):</b>			
Core Curriculum	CIS 250 Database Management	F2F or VC	4
Core Curriculum	CIS 281 Advanced Computer Applications	F2F,VC	3
Core Curriculum	CIS 287 World Wide Web Development	F2F	3
Core Curriculum	CIS 294 Field Experience in CIS	F2F,VC	2
Elective*		F2F,VC	4

**Total credits required:**

64

**Notes:**

\*The CIS Department recommends any course from the list of department approve electives.

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