

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: Network Technology-Associate of Applied Science Degree

Location(s) Offered:

Sierra Vista Campus (CIS 270 is offered face-to-face in the fall semester and through the Virtual Campus in the spring semester.)

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

1. Diagnose and remedy many of the common causes of network failure in current network operating systems.
2. Demonstrate the ability to interconnect multiple networks and servers using current network operating systems.
3. Install additional PC workstations by using current network technologies and by properly configuring network hardware, software, and user accounts.
4. Determine with reasonable accuracy whether network user problems arise from the workstation, network cabling, network configuration, or network application; and take steps to correct the problems.
5. Demonstrate proficiency with a variety of networking technologies including, but not limited to, network routing, Linux, and Microsoft.

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

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).
PSY 101 Introduction to Psychology requires RDG 122 Reading Critically or exemption.

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>
<i>First Semester (Fall):</i>			
Core Curriculum	CIS 140 Introduction to Operating Systems	F2F,VC	3
Core Curriculum	CIS 150 Essentials of Networking	F2F,VC	3
Core Curriculum	CIS 160 Introduction to Information Security	F2F,VC	4
General Education-Composition	ENG 101 Composition	F2F,VC	3
General Education-Technology Literacy	CIS 120 Introduction to Information Systems	F2F,VC	3
<i>Second Semester (Spring):</i>			
Core Curriculum	CIS 128 Linux Operating System	F2F,VC	4
Core Curriculum	CIS 236 Microsoft Workstation Operating Systems	F2F,VC	4
Core Curriculum	CIS 260 Service and Maintenance of PCs	F2F	4
General Education-Mathematics	MAT 142 College Mathematics or higher	F2F,VC	3-4
<i>Third Semester (Fall):</i>			
Core Curriculum	CIS 161 Network Security	F2F	4
Core Curriculum	CIS 179 Applied Technical Writing	F2F,VC	3
Core Curriculum	CIS 229 Linux System Administration	F2F,VC	4
Core Curriculum	CIS 245 Microsoft Server and Active Directory	F2F	4
Core Curriculum	CIS 270 Systems Analysis	F2F or VC*	4
<i>Fourth Semester (Spring):</i>			
Core Curriculum	CIS 262 Network Support and Troubleshooting	F2F	4
Core Curriculum	CIS 294 Field Experience in CIS	F2F	3
General Education-Composition	ENG 102 English Composition	F2F,VC	3
General Education-Liberal Arts	PSY 101 Introduction to Psychology	F2F,VC	3
General Education-Liberal Arts		F2F,VC	3

Total credits required: 66-67

Notes:

*CIS 270 is offered face-to-face in the fall semester and through the Virtual Campus in the spring semester.