COCHISE COLLEGE

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: Linux System Administrator-Certificate

Location(s) Offered:

Virtual Campus

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

1. Describe how the Linux operating system functions.
2. Use the Linux file and directory system and the Linux vi editor.
3. Add, change, and remove users, groups, and peripheral devices.
4. Perform routine system administration duties.
5. Implement literals, constants, variables, operators, arrays, structures, functions, classes, input and output, and file processing in Perl.
6. Demonstrate the design, coding, testing, and debugging of Perl scripts using current computer problem-solving methodologies.
7. Implement Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and security on a Linux server.

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

Program Reviewed: ***Feb 22, 2016***

Key:

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

Requirements	*Course(s) Recommended*	*Delivery Method*	*Credits*
First Semester (Fall):			
Core Curriculum	CIS 120 Introduction to Information Systems	F2F,VC	3
Core Curriculum	CIS 129 Introduction to Programming Logic	VC	1
Second Semester (Spring):			
Core Curriculum	CIS 128 Linux Operating System	F2F,VC	4
Third Semester (Fall):			
Core Curriculum	CIS 229 Linux System Administration	VC	4
Core Curriculum	CIS 248 Perl Scripting	VC	3
Fourth Semester (Spring):			
Core Curriculum	CIS 259 Advanced Linux System	VC	4

Total credits required: 19

Notes: