

# Certificate of Achievement Linux/UNIX Administration

UNIX.CA

FIRST YEAR/FIRST SEMESTER			
Course #	Course Name	Credits	Notes
CIS-181	Linux/UNIX Essentials	3	
CST-102	Introduction to Networking	3	
CSC-171	Introduction to Python	3	
FIRST YEAR/SECOND SEMESTER			
CIS-285	Linux Networking and Security	3	Prerequisite: CIS-181, CST-102 and CSC-171
CIS-288	Linux Administration	3	Prerequisite: CIS-181, CST-102 and CSC-171
CIS-289	Linux System and Services	3	Prerequisite: CIS-181, CST-102 and CSC-171
<b>TOTAL CREDITS</b>		<b>18</b>	

### PROGRAM DESCRIPTION

The two-semester certificate program is career-oriented and consists of six core courses using RedHat Linux that will provide the student with a general working knowledge of the Linux/UNIX Operating System and the skill to handle the software used by the system. The goal of this certificate program is to enhance the student's computer skills with a general, practical background in Linux/UNIX to become a Linux/UNIX Administrator.

### PROGRAM STUDENT LEARNING OUTCOMES

At the end of the program, the graduate will be able to:

1. Demonstrate a comprehensive knowledge of popular versions of Linux and UNIX operating systems, commands, VI editor, processes, kernel structures and tables, and associated shells.
2. Use Python to write scripts to perform tasks.
3. Install, configure, and manage a Linux server and relevant services and applications.
4. Perform duties as a junior Linux System Administrator in managing users and groups, monitoring processes and permissions, performing backup and recovery, and evaluating basic security concepts.
5. Demonstrate a strong understanding of Linux system administration by passing a CompTIA Linux+ Certification test which is a recognized credential for IT professionals.

### CONTACT PERSON

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**THIS PROGRAM IS NOT APPROVED FOR FINANCIAL AID**