

CompTIA Linux+ LX0-103 & LX0-104 Course Syllabus 26.75 Hours

Course Description

The CompTIA Linux+ coursework will provide students with the fundamental skills and knowledge needed to successfully configure, manage and troubleshoot Linux systems. CompTIA Linux+ covers common tasks in major distributions of Linux, including the Linux command line, basic maintenance, installing and configuring workstations, and networking. CompTIA requires that candidates must first pass the LX0-103 exam prior to taking the LX0-104 exam. This course covers the objectives for the certification exam:

- **CompTIA Linux+ LX0-103
AND**
- **CompTIA Linux+ LX0-104**

Learning Objectives

Upon completion of the course, students will understand:

- The different types of mass accessible storage devices, and how they appear in the Linux interface.
- Boot processes, shutdown processes, and hardware for Linux systems, as well as commands to view various hardware information
- The differences between soft and hard links, as well as how to manage devices and file systems
- How to create BASH functions that can automate frequently used sequences of commands
- Application of limits to user logins, processes, and memory usage
- How to configure the Light Display manager (LightDM), including security, data management, and accessibility
- Identification of the differences between the X, KDE, and Gnome Display manager (GDM)

Course Format

CompTIA Linux+ is a self-paced, online course delivered through the learning management system Skillsoft. The site to access the coursework is su.skillport.com. Login credentials will be provided to you on the cohort launch date. If you do not receive them by the launch date, please check your Spam/Junk folder of your email and/or contact your advisor or O2O program coordinator. Once you have logged into your account, you can locate the coursework by selecting "View My Learning Plan."

Coursework is delivered through videos, tutorials, and tests. No textbooks are required for the course; however, students are encouraged to utilize additional resources to assist with certification preparation. Resource Guides with lists of supplemental study materials for each certification are available at <http://libguide.getvet.syr.edu/curriculum/>.

Course Completion Requirements

CompTIA Linux+ coursework is due within 90 days from the assignment date. The course hours listed at the top of the syllabus reflect the time it would take to click through the slides and do not account for taking notes or the end of module tests. You must complete all five modules in Topic 1, and all four modules in Topic 2. Successful completion of a module is marked after you review the lesson videos and score 80% or higher on the end of module tests.

At the beginning of a module, you will be asked to take a pre-test. Scoring 80% or higher on the pre-test signifies competence in the information that will be covered; you will therefore be waived from completing the module. A non-credit certificate of completion will be awarded for successful completion of the coursework.

Industry Certification Requirements

In order for the program to fund your CompTIA Linux+ certification exam you will need to meet the CompTIA Linux+ practice exam requirements. Your advisor or O2O program coordinator will provide you with access to the practice exam as well as completion instructions once you have finished the coursework.

Support

- For technical support, please contact Skillssoft Support at support.skillssoft.com
- For course content support, please utilize Skillssoft's "Ask My Mentor" tool, located in the left-hand Menu within the module course player
- For program support or questions, please contact your advisor or O2O program coordinator

Course Outline

Topic 1: CompTIA Linux+ LX0-103

- 1.1 CompTIA Linux+ LX0-103: System Architecture
- 1.2 CompTIA Linux+ LX0-103: Installation and Package Management
- 1.3 CompTIA Linux+ LX0-103: GNU and Unix Commands
- 1.4 CompTIA Linux+ LX0-103: Advanced GNU and Unix Commands
- 1.5 CompTIA Linux+ LX0-103: Devices and File Systems

Topic 2: CompTIA Linux+ LX0-104

- 2.1 CompTIA Linux+ LX0-104: Scripting and Administrative Tasks
- 2.2 CompTIA Linux+ LX0-104: Essential System Services
- 2.3 CompTIA Linux+ LX0-104: Networking Fundamentals
- 2.4 CompTIA Linux+ LX0-104: Security, Data, and Accessibility