

Linux+ (Linux Certified Professional)

Program Summary

This instructor-led program with a combination of lecture and hands-on laboratory exercises is designed to enhance the competencies of the Linux professional. Students will be introduced to multiple Linux distributions and perform installations of three or more distributions, including Red Hat Linux. Basic operational concepts will be taught and practiced. Students will implement security features provided by the Linux operating system. Upon completion of this course, students will have a solid understanding of the Linux operating system and be able to perform basic troubleshooting tasks. Both workstation and server implementations will be covered. This program will provide students with the skills and knowledge necessary to pass the CompTIA Linux+ certification exam.

- Certification program
- 96 Contact Hours, 6 Credit Hours, 12 Weeks

Course No.	Course Name	Quarter Credit Hours	Clock Hours
LIN100	Linux I	6	96
Total		6	96

Prerequisites

Candidates wishing to enter this course should have completed the Microsoft Certified Technology Specialist (MCTS) program or have commensurate experience with PC operating systems and networking.

Type of Document Received Upon Graduation

Upon successful completion of all program requirements, each student will be awarded a Certificate of Completion.

Certification Tests

All certification exams are scored on a pass/fail basis. Depending on the specific exam, a correct response to 75% - 80% of the questions will be required to achieve a passing score. Students are encouraged to take exams immediately following completion of the corresponding course.

Career Development

Students who successfully complete this program will be prepared for entry to midlevel professional opportunities in the IT field with emphasis on planning, installation, and maintenance of client workstation as well as server operating system, applications and network infrastructure services using the Linux platform and technologies. Although titles may vary by hiring organizations, students with these credentials are qualified to meet the requirements of positions such as Server Support Technician, Server Administrator, Network Administrator, Linux Server Administrator or similar designations.

This program also aligns with the following career opportunities classified by US Department of Labor under the Standard Occupational Classification (SOC) system.

- 15-1150 Computer Support Specialists

Recommended Next Course

Candidates wishing to further their education are recommended to consider the Microsoft certifications in client/server technologies or the Cisco Certified Network Associate (CCNA) programs as the next logical step towards becoming a well rounded IT professional.

Linux+ Program Details

COURSE LIN100

Title: Linux+

Exam: CompTIA Exams LX0-101 and LX0-102

Course Description

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Course Objectives

This course will cover the following subjects:

- Identify all System Hardware Requirement
- Install Multimedia Options
- Determine what Software & Services should be Installed
- Configure File Systems
- Configure a Boot Manager
- Assign Users, Groups, Passwords, and Permissions Based on Company's Security Policy
- Manage Local Storage Devices & File systems
- Mount & Unmount Varied file systems
- Create Linked Files Using CLI Commands
- Perform & Verify Backups and Restores
- Access & Write Data to Recordable Media
- Identify, Execute, Manage and Kill Process
- Perform Remote Management
- Configure Client Network Services & Settings
- Configure Basic Server Network Services
- Configure a Network Interface Card form a Command Line
- Configure Linux Printing
- Setup Environment Variables
- Configure Security Environment Files
- Use Appropriate Access Level for Login
- Set Daemon & Process Permissions
- Implement Security Auditing for Files & Authentication
- Establish System Performance Baseline
- Troubleshoot errors Using System Logs
- Access System Documentation & Help Files
- Identify & Configure Mass Storage Devices & RAID