

Introduction

LabSim PC Pro is used to provide a simulated, hands-on laboratory for the purposes of learning about important hardware and software concepts. In an online environment, it is impossible for students to work directly with hardware or software in administrative scenarios. Therefore, LabSim is the tool that supports students in their pursuit to understand difficult concepts in an online environment.

Use of LabSim PC Pro requires a one-time registration process. You should have received an activation code from the bookstore (Words of Wisdom). Notify the bookstore immediately if you have not yet received your activation code. Contact Words of Wisdom at aiuonlinebooks@wordsofwisdombooks.com.

Instructions for accessing LabSim can be found in the Course Materials section. You can also contact your instructor with any questions. You will have access to LabSim PC Pro for 36 months (3 years) from the date of registration.

Note that LabSim PC Pro is aligned with CompTIA's A+ certification. Completing this lab will not qualify you to complete the exam. You must complete several courses to cover all the concepts included in the certification exam. Further, completing the coursework does not conclude with automatic certification. Those students who wish to pursue certification may do so outside the classroom. For those students that qualify, they may contact the Registrar's office for receipt of a discounted certification voucher honored by CompTIA.

Hardware requirements: Click [here](#) to verify that you meet the necessary hardware requirements. Note that you will need speakers.

Expected time for completion: It should take you five hours or more depending on your hardware and your familiarity with LabSim. You may complete the tasks in numerous iterations. You do not need to complete all of the lab tasks in one sitting.

Lab Description

Upon completion, you will be able to do the following:

- Examine operating systems basics
- Utilize system tools
- Configure preferences and settings

ITCO101: Unit 2 Lab

- Describe and install various peripheral devices
- Manage devices

Lab Tasks

Each module contains numerous sections. Each section contains subsections. The last subsection contains practice questions that are related to the topic of that subsection. The practice questions are not required. Completing the practice questions is optional. The results of the practice questions do not impact your course grade one way or the other.

Module 1.0: Computing Overview

Complete the following three sections and all denoted subsections:

- **Section 1.4:** Windows Basics (Review video and demos: Subsections 1.4.1, 1.4.3, 1.4.4, and 1.4.5)
- **Section 1.5:** Linux Basics (Review video: Subsection 1.5.1)
- **Section 1.6:** Mac OS Basics (Review video and demo: Subsections 1.6.1 and 1.6.2)

Module 4.0: Peripheral Devices

Below are numerous sections covering Peripheral Devices. All of these sections include hands-on simulations. You may complete any or all of these sections. You are required to complete section 4.6 (Device Driver Management) and 1 other section (4.1, 4.2, 4.3, or 4.4) in this module. Review all videos, demos, and simulations included in section 4.6 and your other chosen section.

You are only required to complete 2 sections, but you may choose to complete anywhere from two sections to all the sections, depending upon your time availability. Note that you are permitted to return to this module at any time throughout the course and the program if you wish to complete more than the two sections required for this assignment. However, the grade for this Unit 2 Discussion Board assignment will be determined based upon the sections completed during Unit 2. Choose from the following sections:

- **Section 4.1:** Peripheral Devices (Review video and complete simulation: Subsections 4.1.1 and 4.1.3)
- **Section 4.2:** USB (Review video and complete simulations: Subsections

- 4.2.1, 4.2.3, and 4.2.4)
- **Section 4.3:** IEEE 1394 (FireWire) (Review video and complete simulation: Subsections 4.3.1 and 4.3.3)
- **Section 4.4:** Display Devices (Review video, demos and complete simulations: Subsections 4.4.1, 4.4.3, 4.4.5, 4.4.6, 4.4.7, 4.4.8, and 4.4.9)
- **Section 4.6:** Device Driver Management (Review video, demos, and complete simulation: Subsections 4.6.1, 4.6.2, 4.6.3, 4.6.4, 4.6.5, and 4.6.8)

Module 9.0: System Management

Complete the following sections and all denoted subsections:

- **Section 9.1:** Windows System Tools: (Review demos: Subsections 9.1.1, 9.1.2, 9.1.3, 9.1.4, 9.1.5, and 9.1.6, 9.1.8)
- **Section 9.2:** Preferences and Settings (Review demos: Subsections 9.2.1, 9.2.2, and 9.2.3)

The above sections include the following hands-on simulations:

- **4.1.3:** Connect a KVM Switch
- **4.2.3:** Install USB Devices
- **4.2.4:** Install a USB Adapter
- **4.3.3:** Connect FireWire Devices
- **4.4.7:** Select and Configure Dual Monitors
- **4.6.8:** Manage Devices