

ITCO103

Unit 1 Lab

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 them 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 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. One must complete several courses in order 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: Refer [here](#) to verify that you meet the necessary Hardware Requirements. Note that you will need speakers.

Expected Time for Completion: Two and one-half (2-1/2) hours or more depending on time necessary to familiarize yourself with tool. You may complete the tasks in numerous iterations. You do not need to complete all the lab tasks in one sitting.

Lab Description

Upon completion, you will:

- navigate LabSim Sections;
- experience and utilize a variety of learning tools including videos, Fact sheets, images, etc.;
- describe networking hardware.

Lab Tasks

Each module contains numerous Sections. Each section contains sub-sections. The last sub-section contains Practice Questions related to the topic of that sub-section. The Practice Questions are **not** required. Completing the Practice Questions are **optional**. The results of the Practice Questions do **not** impact your course grade one way or the other.

Module 1.0 Computing Overview (Optional)

Complete the following to become familiar with the LabSim environment in the event you have not used it before.

Section 1.0 Course Introduction

Section 1.2 Using the Simulator (Review demos and complete **simulations**: Sections 1.2.1, 1.2.2, 1.2.3, 1.2.4)

Module 6.0 Networking

Complete the following two sections and all denoted sub-sections.

Section 6.1 Networking Overview (Review videos: Sections 6.1.1, 6.1.2, 6.1.3, 6.1.5)

Section 6.2 Network Hardware (Review videos and complete simulation: Sections 6.2.1, 6.2.2, 6.2.5)

The above Sections include the following hands-on simulations.

1.2.2 Explore the Lab Interface

1.2.4 Connect Internal Components

6.2.5 Select and Install a Network Adapter