# ITCO211 Unit 3 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](mailto: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](http://www.testout.com/home/support/quick-start-guides/system-requirements) to verify that you meet the necessary Hardware Requirements. Note that you will need speakers.

***Expected Time for Completion*: Four and one-half (4-1/2) hours or more depending on hardware and familiarity with LabSim**. 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:

* configure, maintain, and troubleshoot printers;
* manage Windows applications;
* configure virtual memory.

## 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 7.0 Printing

### Below are numerous sections covering Printing. Many of these sections include hands-on simulations. You may complete any or all of these sections. You are required to choose four sections, at a minimum. Review all videos, demos and simulations included in those four sections that you choose to complete.

### You are required to choose and complete four sections only. But you may choose to complete anywhere from four 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 three sections required for this assignment. However, the grade for this Unit 3 IP assignment will be determined based upon the chosen sections completed during Unit 3.

Section 7.1 Printers (Review videos and complete **simulation**: Sections 7.1.1, 7.1.3, 7.1.7)

Section 7.2 Printer Configuration (Review video, demos and complete **simulation**: Sections 7.2.1, 7.2.2, 7.2.3, 7.2.5)

Section 7.3 Network Printing (Review video demos and complete **simulation**: Sections 7.3.1, 7.3.2, 7.3.3, 7.3.5)

Section 7.4 Printing Management (Review demos and complete **simulations**: Sections 7.4.1, 7.4.2, 7.4.4, 7.4.5)

Section 7.5 Printer Maintenance (Review video: Section 7.5.1)

Section 7.6 Printer Troubleshooting (Review video and demo: Sections 7.6.1, 7.6.2)

### Module 9.0 Windows System Management

### Below are numerous sections covering Windows System Management. Many of these sections include hands-on simulations. You may complete any or all of these sections. You are required to choose three sections, at a minimum. Review all videos, demos and simulations included in those three sections that you choose to complete.

### You are required to choose and complete three sections only. But you may choose to complete anywhere from three 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 three sections required for this assignment. However, the grade for this Unit 3 IP assignment will be determined based upon the chosen sections completed during Unit 3.

Section 9.6 Windows Application Management (Review videos, demos and complete **simulation**: Sections 9.6.1, 9.6.2, 9.6.4, 9.6.6, 9.6.7, 9.6.8, 9.6.9)

Section 9.7 Linux Application Management (Review demos and complete **simulation**: Sections 9.7.1, 9.7.2, 9.7.3, 9.7.5)

Section 9.8 Digital Content Management (Review videos: Sections 9.8.1, 9.8.2)

Section 9.13 Virtual Memory (Review video, demo and complete **simulation**: Sections 9.13.1, 9.13.2, 9.13.4)

The above Sections include the following hands-on simulations.

7.1.7 Choose a Printer  
7.2.5 Select and Install a Printer  
7.3.5 Configure Network Printing  
7.4.4 Configure Printer Properties  
7.4.5 Manage Printing

9.6.9 Manage Applications  
9.7.5 Manage Linux Processes  
9.13.4 Configure Virtual Memory