

# Operating Systems & Information Technology

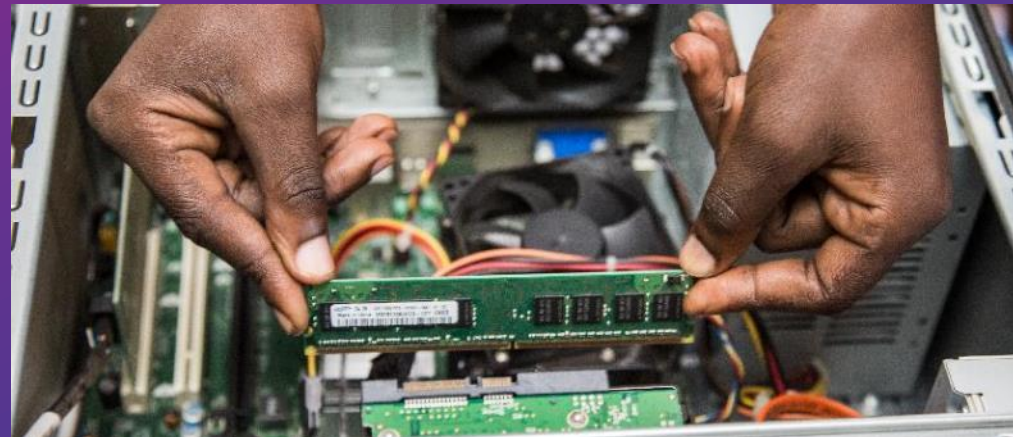
## Why OS & IT?

A basic understanding of computer operating systems and information technologies provides the foundational knowledge needed for students to connect to the Internet and understand how systems and processes work together to power the Internet of Everything.

In partnership with NDG, we offer several courses on Linux, which is increasingly regarded as an essential platform for application development. These courses teach the skills needed to fill a growing number of jobs in the information and communication technology (ICT) field.

## Career Prep

Courses range from Internet connectivity and social networking basics to teaching the skills needed to gain career certifications as a support technician, system administrator, network technician, or Linux professional.



Get Connected

IT Essentials

PT

NDG Linux  
Essentials

NDG  
Introduction to  
Linux I

NDG  
Introduction to  
Linux II

# Get Connected

## Course Overview

Get Connected teaches the basic information technology skills needed to compete in the global workforce, with a focus on basic communication and collaboration technologies.

Students are introduced to the Internet and experiment with various social networking sites.

## Career Prep

Non-IT students specifically, and anyone seeking to develop basic ICT and social networking skills, which are essential for career advancement.

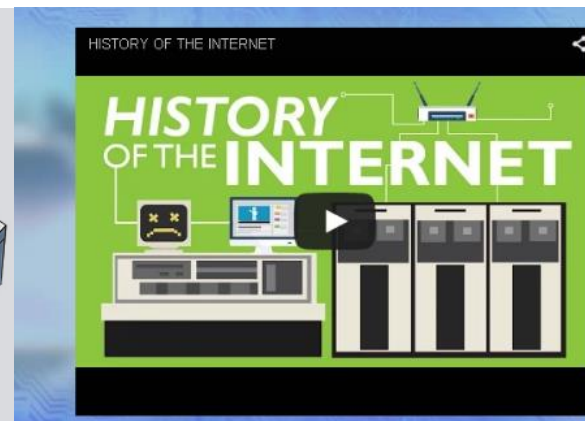
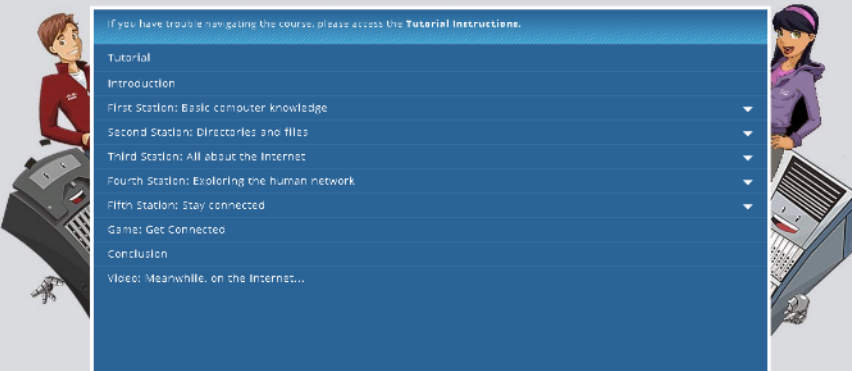
**Prerequisites:** None

**Languages:** English, Spanish, Portuguese-BR

**Course Delivery:** Instructor led or self paced

**Estimated Time to Complete:** 30 hours

**Recommended Next Course:** IT Essentials



## Learning Components

- 5 chapters
- Illustrations and narrations guide students through topics
- Videos and activities
- Quizzes

# IT Essentials

## Course Overview

IT Essentials covers the fundamentals of computer hardware and software and introduces advanced security and networking concepts.

Students learn how to assemble computers and troubleshoot hardware and software issues.

## Career Prep

Upper secondary and junior college students seeking career-oriented, entry-level hardware and software skills to prepare for technical support roles. Aligns with the CompTIA A+ certification for IT support technicians, administrators, and specialists.

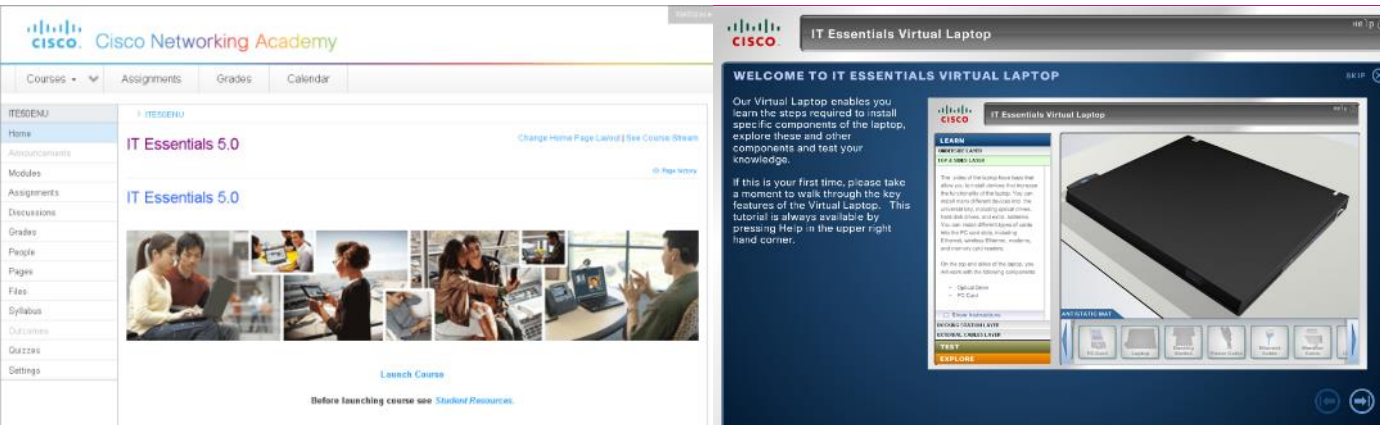
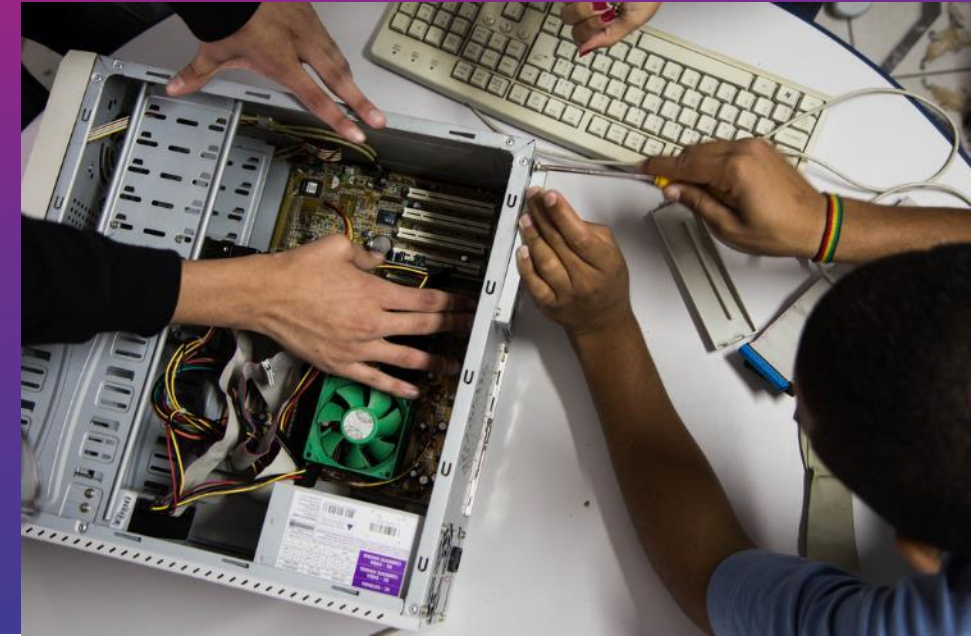
**Prerequisites:** None

**Languages:** Arabic, Chinese-S, Chinese-T, Croatian, English, French, German, Hebrew, Hungarian, Italian, Japanese, Portuguese-Brazilian, Romanian, Russian, Spanish, Turkish, Ukrainian

**Course Delivery:** Instructor led

**Estimated Time to Complete:** 70 hours

**Recommended Next Course:** CCNA R&S Intro to Networks



## Learning Components

- 12 chapters
- 180 hands-on labs and learning activities
- Cisco Packet Tracer, virtual laptop, and virtual desktop learning tools
- 12 chapter exams, 1 checkpoint exam, 1 skills review exam, 1 practice final exam, 1 final exam, 1 skills-based assessment, and 2 practice exams for CompTIA A+ certification