

**COMPETENCES****AFTER COMPLETING THIS COURSE, STUDENTS WILL BE ABLE TO:**

- C1: set up with computers, components and peripherals  
 C2: evaluate and optimize the performance of hardware devices  
 C2: Installing software of general purpose  
 C3: run procedures to recover software based on a team.  
 C4: Diagnose system malfunctions and correct then.  
 C5: implement hardware-specific data (CPD) centers  
 C6: meet the preventions standards of occupational hazards and environmental protection  
 C7: Adapt to different jobs and new work situations

**COMPETENCES DISTRIBUTION**

COMPETENCE		ESSENTIAL 60% TIME 60% MARK	IDEAL 40% TIME 40% MARK
C1	set up with computers, components and peripherals	x	
C2	evaluate and optimize the performance of hardware devices		x
C3	Installing software of general purpose	x	
C4	run procedures to recover software based on a team.	x	
	Diagnose system malfunctions and correct then.		x
C5	implement hardware-specific data (CPD) centers	x	
	meet the preventions standards of occupational hazards and environmental protection		x
C6	Adapt to different jobs and new work situations	x	
C7	set up with computers, components and peripherals		x

**CONTENTS**

components and operation of the computer  
 microprocessors, memory, motherboard, peripheral, secondary storage devices  
 monitoring and support system software  
 hardware in data centers.  
 Virtualization: virtual pc, virtual box, Vmware ESXI, HyperV, Citrix-XenServer proxmox  
 High availability