



# Course Outline

**Pearson: CompTIA Healthcare  
IT Technician**



17 Jan 2020



Lesson



Practice test



Lab

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## 1. Course Objective

Gain hands-on expertise in CompTIA Healthcare IT Technician (HIT) certification exam by Pearson HIT-001 course and performance based labs. Performance based labs simulate real-world, hardware, software & command line interface environments and can be mapped to any text-book, course & training. CompTIA Healthcare IT Technician HIT-001 certification is a vendor and technology-neutral credential designed for IT professionals to implement, deploy, and support healthcare IT systems in various clinical settings.

## 2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

## 3. Quizzes

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.

375  
QUIZZES

## 4. Flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.



304

FLASHCARDS

## 5. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



250

GLOSSARY OF  
TERMS

## 6. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

## 7. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more

accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

## 8. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assignments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

## 9. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 5 years:

- **2014**
  1. Best Postsecondary Learning Solution
- **2015**
  1. Best Education Solution
  2. Best Virtual Learning Solution

3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**

1. Best Virtual Learning Solution
2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

## 10. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every

lesson, uCertify courses guide the learners on the path they should follow.

## Syllabus

Chapter 1: CompTIA® Healthcare IT Technician HIT-001 Authorized Cert Guide

Chapter 2: Introduction

Chapter 3: Introducing Healthcare IT

- The Importance of the HITECH Act
- Getting to Know Healthcare
- The Goals of Healthcare IT
- Chapter Summary
- Short Answer

Chapter 4: Introducing Data Flow in HIT

- Learning Support Flow
- Getting to Know Information Systems
- Getting to Know HIS
- Getting to Know the Interface
- Following the Data Flow



- Chapter Summary
- Short Answer

## Chapter 5: Regulatory Requirements

- Identifying Standard Agencies, Laws, and Regulations
- Learning HIPAA Controls and Compliance Issues
- Learning Rules of Record Retention and Disposal
- Learning Legal Best Practices and Documentation
- Chapter Summary
- Short Answer

## Chapter 6: Organizational Behavior

- Handling PHI
- Applying Proper Communication Methods
- Identifying EHR/EMR Access Roles and Responsibilities
- Identifying Organizational Structures and Different Methods of Operation
- Executing Daily Activities
- Chapter Summary
- Short Answer

## Chapter 7: IT Operations

- How the Internet or an Intranet Works
- How a Network Works
- Managing Network Resources
- Configuring a Workstation and Peripherals
- Chapter Summary
- Short Answer

## Chapter 8: Medical Business Operations

- Understanding the Clinical Environment
- Supporting Software Used in Healthcare Facilities
- How a Healthcare Interface Works
- Chapter Summary
- Short Answer

## Chapter 9: Security

- What Are We Up Against?
- Understanding Permission Levels

- Understanding Physical Security
- Using Password Best Practices
- Understanding Encryption Types
- How to Secure Wireless Networks
- How to Remotely Access the Facility's Network
- Securing Backups
- Disposing of PHI
- Chapter Summary
- Short Answer

Chapter 10: Appendix A: CompTIA Healthcare IT Technician ACRONYMS

Chapter 11: Appendix B: CompTIA Healthcare IT Technician Exam Topics

## 11. Practice Test

uCertify provides full length practice tests. These tests closely follow the exam objectives and are designed to simulate real exam conditions. Each course has a number of test sets consisting of hundreds of items to ensure that learners are prepared for the certification exam.

## Here's what you get

174

PRE-ASSESSMENTS QUESTIONS

175

POST-ASSESSMENTS QUESTIONS

## Features

### Full Remediation

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

### Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

### Learn, Test and Review Mode

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

## 12. Performance Based Labs

uCertify's performance-based labs are simulators that provides virtual environment. Labs deliver hands on experience with minimal risk and thus replace expensive physical labs. uCertify Labs are cloud-based, device-enabled and can be easily integrated with an LMS. Features of uCertify labs:

- Provide hands-on experience in a safe, online environment

- Labs simulate real world, hardware, software & CLI environment
- Flexible and inexpensive alternative to physical Labs
- Comes with well-organized component library for every task
- Highly interactive - learn by doing
- Explanations and remediation available
- Videos on how to perform

## Lab Tasks

- Identifying acute care facilities
- Understanding acuity level index
- Understanding standard departments of hospitals
- Understanding HIS
- Understanding types of HL7 messages
- Understanding functions of an interface engine
- Identifying primary functions of HIS
- Identifying the real-time transfer of data
- Identifying the steps for the EDIS ADT data flow
- Identifying steps in the pharmacy IS
- Identifying steps to follow the EDIS data flow
- Understanding healthcare clearinghouse
- Understanding HIPAA rules
- Understanding penalties defined by the ARRA
- Understanding types of health information
- Understanding BBA
- Configuring the UPS
- Placing a printer in the hospital
- Understanding communication methods
- Identifying PBX system layers
- Understanding VoIP
- Understanding organizational structure of a hospital

- Understanding anesthesiologist
- Spotting the intranet network
- Identifying T-carrier line transmission speeds
- Identifying connectionless communication
- Describing OSI layers
- Identifying OSI layer functions
- Identifying TCP/IP layers
- Identifying TCP/IP protocol layers
- Identifying client and server
- Identifying application layer protocols
- Connecting a workstation to the LAN and configuring IPv4 properties
- Identifying 802.11 standards
- Installation of the Print and Document Services Role
- Identifying the cable
- Understanding common TCP/ IP port assignments
- Implementing virtualization
- Understanding programming languages
- Understanding services of cloud computing
- Identifying Internet protocols and their subtypes
- Connecting a system to a wireless network
- Configuring a wireless access point
- Connecting systems to the Internet through a router
- Identifying encryption methods
- Connecting a wireless router to the laptop
- Connecting patch cables between the patch panel and switch ports
- Configuring a Local Area Connection's TCP/IP Version 4 properties
- Displaying the TCP/ IP network configuration values
- Assigning a new IP address
- Pinging a URL and identifying network communication
- Displaying the path to reach a target host
- Understanding types of power outlets
- Setting up a surge protected computer system
- Replacing the Battery of a Smartphone and Inserting a Memory Card
- Understanding types of communication standards
- Understanding trauma center levels and qualifications

- Understanding controlled substance schedules or classifications
- Naming inpatient departments in the hospital
- Understanding environments or versions of IS
- Identifying social engineering attacks
- Describing malicious threats to networks
- Understanding permission levels
- Understanding the key fob
- Encrypting and decrypting a message
- Encrypting and decrypting a message using the RSA algorithm
- Identifying encryption types
- Identifying VPN protocols
- Identifying VPN protocols
- Identifying types of encryption standards
- Establishing a remote desktop connection

## Here's what you get

**71**  
PERFORMANCE BASED  
LAB

**18**  
VIDEO TUTORIALS

**20**  
MINUTES

## 13. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.

Have Any Query? We Are Happy To Help!

### GET IN TOUCH:

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