

HURBAD
Institute of Technology

**CompTIA IT
Fundamentals+**
STUDY PLAN

MAALINTA 1AAD - COMMON COMPUTING DEVICES

1. Waa maxay Information Technology (IT)
2. Computer Hardware and Software
3. Personal Computers, Server, Laptops
4. Smartphones and Tablets, IoT and Gaming

MAALINTA 2AAD - USING A WORKSTATION

1. Setting up a Personal Computer and Ergonomic Concepts
2. Itus oo Itaabsii - Signing In-to Windows, Desktop and Taskbar
3. Using a Mouse or Touchpad, Keyboard, Touchscreen
4. Itus oo itaabsii - Recognizing Desktop Icons
5. Itus oo itaabsii - Setting up a Laptop
6. Itus oo itaabsii - Setting up a Desktop
7. Itus oo itaabsii - Exploring Windows 10 Desktop

MAALINTA 3AAD - USING AN OS

1. OS Functions and Workstation, Server, and Mobile Device OS
2. OS Licence Types, Embedded OS, Firmware
3. Waa Maxay Virtualization
4. Itus oo Itaabsii - Virtualization Vendors
5. Microsoft Windows Operating System
6. Apple macOS, LinuxOS, Andriod OS
7. Itus oo itaabsii - File Explorer or Windows Explorer
8. Windows Settings and Control panel
9. Itus oo itaabsii - Using a Web Browser

MAALINTA 4AAD - MANAGING AN OS

1. Itus oo itaabsii- OS Management Interfaces
2. Itus oo itaabsii - OS Process and Service Management
3. Itus oo Itaabsii - OS Memory and Disk Management
4. Itus oo itaabsii - OS Access Control and Protection
5. Itus oo itaabsii - Command prompt vs Windows PowerShell
6. Itus oo Itaabsii - Managing User Accounts

MAALINTA 5AAD - TROUBLESHOOTING AND SUPPORT

1. CompTIA Troubleshooting Model
2. Itus oo itaabsii - Using a Search Engine

MAALINTA 6AAD - USING DATA TYPES AND UNITS

1. Notational Systems
2. Itus oo itaabsii - Using Windows 10 Programming calculator
3. Itus oo itaabsii - Units of Measure
4. Data Types, Value, Security
5. Intellectual Property
6. Data-driven Business Decisions

MAALINTA 7AAD - USING APPS

1. Itus oo itaabsii - Installing Applications
2. Itus oo itaabsii - Application Management
3. Itus oo itaabsii - Managing Software Licensing
4. Itus oo itaabsii - Productivity, Collaboration and Business Software

MAALINTA 8AAD - PROGRAMMING AND APP DEVELOPMENT

1. Programming Logic
2. Programming Languages
3. Programming Concepts
4. OOP iyo Scripting Languages
5. Application Platforms and Delivery
6. Itus oo itaabsii - Creating a Batch File
7. Itus oo itaabsii - Creating a Visual Basic Script
8. Itus oo itaabsii - Creating a Windows PowerShell Script
9. Itus oo itaabsii - Using Programming Tools

MAALINTA 9AAD - USING DATABASES

1. Database Concepts
2. Database Structures
3. Itus oo itaabsii - Creating and Using a Database
4. Itus oo itaabsii - Creating a Form and Entering Data

MAALINTA 10AAD - SYSTEM COMPONENTS

1. Selecting a Computer
2. Motherboard Components
3. Features of Processors
4. System and Expansion Bus Technologies
5. System Cooling
6. BIOS and UEFI System Firmware
7. Specifying PC OR Laptop Systems

MAALINTA 11AAD - USING DEVICE INTERFACES

1. Computer Port and Connector Types
2. Graphic Device Interfaces
3. Input Devices
4. Bluetooth, RFID, NFC
5. Networking Interfaces

MAALINTA 12AAD - USING PERIPHERAL DEVICES

1. Installing and Uninstalling Peripherals
2. Display Devices
3. Multimedia Ports and Devices
4. Printers, Scanners and Digital Camera
5. Itus oo itaabsii - Using a Printer

MAALINTA 13AAD - USING STORAGE DEVICES

1. System Memory
2. Mass Storage Devices
3. Optical Discs and Drives and Removable Flash Memory Devices

MAALINTA 14AAD - USING FILE SYSTEMS

1. Managing the File System
2. Folders and Directories
3. Files
4. File Types and Extensions

MAALINTA 15AAD - NETWORKING CONCEPTS

1. Network Components
2. Transmission Control Protocol Internet Protocol TCP-IP

3. Internet Protocol
4. Packet Delivery and Forwarding
5. DNS and URLs
6. Internet Application Services

MAALINTA 16AAD - CONNECTING TO A NETWORK

1. Internet Service Types
2. Wireless Internet Services
3. Wireless Standards and Compatibility
4. Itus oo itaabsii - Configuring an Access Point
5. Connecting to an Enterprise Network
6. Itus oo itaabsii - Mobile Hotspot and Tethering
7. Itus oo itaabsii - Network & Internet Settings

MAALINTA 17AAD - SECURE WEB BROWSING

1. Safe Browsing Practices
2. Configuring Browser Security
3. Managing Cookies and PII
4. Digital Certificates and Anti-phishing
5. Itus oo itaabsii - Enabling a Firewall
6. Itus oo itaabsii - Web Security

MAALINTA 18AAD - USING SHARED STORAGE

1. Local Network Sharing and Storage
2. Itus oo itaabsii - Windows File Sharing
3. Itus oo itaabsii - Hosted Sharing and Storage
4. Itus oo itaabsii – Backups

MAALINTA 19AAD - USING MOBILE DEVICES

1. Using a Mobile Device
2. Mobile Applications and App Stores

MAALINTA 20AAD - SECURITY CONCERNS

1. Computer Security Basics
2. Social Engineering
3. Business Continuity

MAALINTA 21AAD - USING BEST PRACTICES

1. Securing Devices
2. Preventing Malware Infections
3. Spam
4. Software Sources and Patch Management

MAALINTA 22AAD - USING ACCESS CONTROLS

1. Access Controls
2. User Account Types
3. Uses of Encryption
4. Password Cracking and Management

MAALINTA 23AAD - BEHAVIOURAL SECURITY CONCEPTS

1. Policies and Procedures
2. Policies and Procedures
3. Expectations of Privacy