



## Satson Course Outline

# SCITT: Satson Certified IT Technician

<b>Course Code</b>	<b>S201IT</b>
<b>Duration</b>	<b>2 Months</b>
<b>Cost</b>	<b>N50, 000</b>
<b>Certificate</b>	<b>SCITT: Satson Certified IT Technician</b>
<b>Global Certificate</b>	<b>CompTIA A+</b>

### Description:

We designed SCITT for the student who has a basic knowledge and experience with PCs and wants to pursue a career as a computer service technician. Students will obtain the skills and knowledge necessary to install, build, upgrade, repair, configure, troubleshoot, and performing preventative maintenance on personal computer hardware and operating systems.

### Pre-requisite:

Computer Appreciation or equivalent knowledge

### Target Audience:

- Computer users - intense, enthusiasts
- Newcomers who want to develop a career in IT and tech support

### Course Outline:

#### •Module 1: Getting started with PC hardware support

- Topic I: Computer components Overview
- Topic II: Hardware, software, and firmware
- Topic III: Troubleshooting models

#### •Module 2: Operating systems

- Topic I: Operating system fundamentals
- Topic II: Managing Directory and file

#### •Module 3: Electricity and power supplies

- Topic I: Electrical safety
- Topic II: Power supplies
- Topic III: Power supply troubleshooting

#### •Module 4: CPUs and motherboards

- Topic I: Central processing Units (CPUs)
- Topic II: Packaging, slots, and cooling techniques
- Topic III: Motherboards and system cases
- Topic IV: Motherboard troubleshooting

- **Module 5: Basic Input/Output System**
  - Topic I: BIOS and CMOS
  - Topic II: The POST process
  - Topic III: BIOS and POST troubleshooting
  
- **Module 6: Memory systems**
  - Topic I: Memory
  - Topic II: Memory packaging
  - Topic III: Troubleshooting Memory
  
- **Module 7: Bus structures**
  - Topic I: Buses
  - Topic II: Interacting with Host system
  - Topic III: The PCI bus
  - Topic IV: Video buses
  
- **Module 8: Expansion cards**
  - Topic I: Drive adapters
  - Topic II: Video cards
  - Topic III: Sound cards
  - Topic IV: Internal modems
  - Topic V: Troubleshooting Expansion card
  
- **Module 9: Ports, connectors, and cables**
  - Topic I: Serial and parallel ports, cables, and connectors
  - Topic II: Keyboards, mice, and pointing devices
  - Topic III: USB ports, cables, and connectors
  - Topic IV: FireWire ports, cables, and connectors
  - Topic V: Infrared and Bluetooth wireless ports
  - Topic VI: Multimedia ports, cables, and connectors
  - Topic VII: Troubleshooting Port, cable, and Connector
  
- **Module 10: Data storage devices**
  - Topic I: Hard drives
  - Topic II: Optical drives
  - Topic III: Removable storage devices
  - Topic IV: Troubleshooting Storage device
  
- **Module 11: Video and multimedia input/output devices**
  - Topic I: Cathode ray terminals
  - Topic II: LCDs and other video technologies
  - Topic III: Sound input and output devices
  - Topic IV: Scanners and cameras
  
- **Module 12: Printers**
  - Topic I: Dot matrix printers
  - Topic II: Inkjet and related printer technologies
  - Topic III: Laser printers
  - Topic IV: Other types of printers

- **Module 13: Portable computers and devices**
  - Topic I: Notebook computers
  - Topic II: Handheld computers
  
- **Module 14: Monitoring and management**
  - Topic I: System monitoring
  - Topic II: System management
  
- **Module 15: Troubleshooting Operating system**
  - Topic I: The Windows boot process
  - Topic II: Troubleshooting System
  
- **Module 16: Connecting computers**
  - Topic I: Networking concepts
  - Topic II: Wired network connections
  - Topic III: Wireless network Connections
  - Topic IV: Network architectures
  
- **Module 17: Networking computers**
  - Topic I: Network Communications
  - Topic II: Addressing
  - Topic III: Connecting Internet
  - Topic IV: Installing Network
  - Topic V: Troubleshooting Network
  
- **Module 18: Security**
  - Topic I: Operating system security
  - Topic II: Security hardware
  - Topic III: The human aspects of security
  
- **Module 19: Installing and Upgrading Windows**
  - Topic I: Installing
  - Topic II: Upgrading
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- **Module 20: Safety**
  - Topic I: Safety and hazards
  - Topic II: Safe work practices
  - Topic III: Disposing of computer equipment
  
- **Module 21: Troubleshooting and maintaining a PC**
  - Topic I: Professionalism and customer satisfaction
  - Topic II: Tools and software
  - Topic III: Preventative hardware maintenance
  
- **Appendix A: Certification exam objectives map**