

6. Terminate and Connect Electrical wiring and Electronic Circuit	6.1 Plan and prepare for termination/connection of electrical wiring/electronic circuits 6.2 Terminate/connect electrical wiring/electronic circuits 6.3 Test termination/ connection of electrical wiring /electronics circuits	<ul style="list-style-type: none"> ▪ Film Viewing ▪ Individualized Learning ▪ Direct Student Laboratory Experience ▪ On-the-Job Training ▪ Project Method 	<ul style="list-style-type: none"> ▪ Demonstration and Questioning ▪ Assessment of Output Product
7. Test electronic components	7.1 Determine criteria for testing electronics components 7.2 Plan an approach for component testing 7.3 Test components 7.4 Evaluate the testing process	<ul style="list-style-type: none"> ▪ Film Viewing ▪ Individualized Learning ▪ Direct Student Laboratory Experience ▪ On-the-Job Training ▪ Project Method 	<ul style="list-style-type: none"> ▪ Demonstration and Questioning ▪ Assessment of Output Product

CORE COMPETENCIES

(160 hours)

Unit of Competency	Learning Outcome	Methodology	Assessment Approach
1. Install and configure computer systems	1.1. Assemble computer hardware 1.2. Install operating system and drivers for peripherals/ devices. 1.3. Install the computer application software 1.4. Conduct testing and documentation	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Viewing multimedia 	<ul style="list-style-type: none"> • Written examination • Practical examination
2. Set-up computer networks	2.1. Install network cables 2.2. Set network configuration 2.3. Set router/Wi-Fi/ wireless access point/repeater configuration 2.4. Inspect and test the configured computer networks	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Viewing multimedia 	<ul style="list-style-type: none"> • Written examination • Practical examination

3. Set-up Computer Servers	3.1. Set-up user access 3.2. Configure network services 3.3. Perform testing, documentation and pre-deployment practices	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Viewing multimedia 	<ul style="list-style-type: none"> • Written examination • Practical examination
4. Maintain and repair computer systems and networks	4.1. Plan and prepare for maintenance and repair 4.2. Maintain computer systems and networks 4.3. Diagnose faults of computer systems 4.4. Rectify/correct defects in computer systems 4.5. Inspect and test the computer systems and networks	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Viewing multimedia 	<ul style="list-style-type: none"> • Written examination • Practical examination