

CORE COMPETENCIES

140 hrs

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1. Assemble Electronic Products	1.1 Prepare to assemble electronics products 1.2 Prepare/ Make PCB modules 1.3 Mount and solder electronic components 1.4 Assemble electronic products 1.5 Test and inspect assembled electronic products	<ul style="list-style-type: none"> ▪ Lecture/ Discussion ▪ Demonstration ▪ Viewing multimedia ▪ Hands on practice ▪ Project making/ laboratory exercises ▪ Dual training ▪ Supervised-industry training ▪ eLearning/ Blended learning program 	<ul style="list-style-type: none"> ▪ Written exam ▪ Practical exam ▪ Observation in workplace ▪ Demonstration ▪ Portfolio
2. Service consumer electronic products and systems	2.1 Prepare unit, tools and workplace for installation and service 2.2 Install consumer electronic products and systems 2.3 Diagnose faults and defects consumer electronic products and systems 2.4 Maintain/Repair consumer electronic products 2.5 Re-assemble and test repaired consumer electronic products	<ul style="list-style-type: none"> ▪ Lecture/Discussion ▪ Demonstration ▪ Viewing multimedia ▪ Hands on practice ▪ Simulation ▪ Dual training ▪ Supervised-industry training ▪ eLearning/ Blended learning program 	<ul style="list-style-type: none"> ▪ Written exam ▪ Practical exam ▪ Observation in workplace ▪ Demonstration ▪ Portfolio
3. Service industrial electronic modules, products and systems	3.1 Prepare unit, tools and workplace for installation and service 3.2 Install industrial electronic modules/products/systems 3.3 Diagnose faults and defects of industrial electronic modules/systems/products 3.4 Maintain/Repair industrial electronic products 3.5 Re-assemble and test repaired industrial electronics products	<ul style="list-style-type: none"> ▪ Lecture ▪ Discussion ▪ Demonstration ▪ Viewing multimedia ▪ Hands on practice ▪ Simulation ▪ Dual training ▪ Supervised-industry training ▪ eLearning/ Blended learning program 	<ul style="list-style-type: none"> ▪ Written exam ▪ Practical exam ▪ Observation in workplace ▪ Demonstration ▪ Portfolio