

**CORE COMPETENCIES**  
**420 Hours** (180 Hours in-school + 240 Hours SFT) \*

<b>Unit of Competency</b>	<b>Learning Outcome</b>	<b>Training Methodology</b>	<b>Institutional Assessment Approach</b>
1. Install domestic refrigeration and air-conditioning (DomRAC) units	1.1 Conduct survey 1.2 Install DomRAC electrical circuit 1.3 Install DomRAC unit 1.4 Conduct performance test	Lecture Demonstration Trainee Hands-on SFT	Direct Observation Question Demonstration
2. Service and maintain domestic refrigeration and air-conditioning (DomRAC) units	2.1 Clean and replace air filter 2.2 Service evaporator/ condenser 2.3 Maintain fan motor assembly 2.4 Service electrical power and control circuits 2.5 Accomplish service and maintenance report	Lecture Demonstration Trainee Hands-on SFT	Direct Observation Questioning Demonstration
3. Trouble shoot domestic refrigeration and air-conditioning (DomRAC) units	3.1. Plan and prepare for troubleshooting and repair 3.2. Identify and repair faults/troubles 3.3. Perform refrigerant recovery/ recycling and retrofitting/ conversion on domestic refrigeration and air-conditioning unit 3.4. Test-run repaired unit	Lecture Demonstration Trainee Hands-on SFT	Direct Observation Questioning Demonstration

\*Note: SFT – supervised-field training/exposure in actual work environment is included in the nominal training duration