

**Course rules****Course structure**

To achieve the 10878NAT Course in Refrigeration and Air Conditioning - Minimum Australian Context Gap the learner must complete 8 core units and elective units to a minimum value of 6 hours. Units should be undertaken in the order listed.

Unit code	Unit title	<u>ABS Field of Education</u>	Pre-requisite	Nominal hours
<b>Core units</b>				
NAT10809001	Apply Australian Work Health and Safety practices in the electrical workplace	031313	Nil	9
NAT10878001	Apply control measures for Australian refrigeration and air conditioning workplace hazards and risks	031315	NAT10809001	5
NAT10878002	Apply Australian standards to solve refrigeration and air conditioning low voltage circuit problems	031315	NAT10809001 NAT10878001	10
NAT10878003	Disconnect and reconnect fixed wired electrical equipment connected to a Low Voltage supply	031313	NAT10809001 NAT10878001 NAT10878002	27
NAT10878004	Recover, pressure and leak test, evacuate and charge refrigerants	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003	41

NAT10878005	Install refrigeration and air conditioning systems	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003 NAT10878004	41
NAT10878006	Diagnose and rectify faults in refrigeration and air conditioning systems and components	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003 NAT10878004 NAT10878005	18
NAT10878007	Verify compliance and functionality of Australian refrigeration and air conditioning installations	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003 NAT10878004 NAT10878005 NAT10878006	4
<b>Total nominal hours (core units)</b>				<b>155</b>
<b>Elective units (select to a minimum value of 6 hours)</b>				
NAT10809008	Source and purchase Australian material/parts for electrical work	031313	NAT10809001	2
NAT10809012	Develop, enter and verify Australian programs for PC's using ladder diagrams	031313	NAT10809001	6
NAT10878008	Solve problems in beverage dispensers	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003 NAT10878004 NAT10878005 NAT10878006	4
NAT10878009	Solve problems in central plant air conditioning systems	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003 NAT10878004 NAT10878005	4

			NAT10878006	
NAT10878010	Solve problems in ice making systems	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003 NAT10878004 NAT10878005 NAT10878006	2
NAT10878011	Solve problems in industrial refrigeration systems	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003 NAT10878004 NAT10878005 NAT10878006	2
NAT10878012	Install and commission Australian flammable refrigerant air conditioning and refrigeration systems	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003 NAT10878004 NAT10878005 NAT10878006	2
NAT10878013	Service Australian self-contained flammable refrigerants air conditioning and refrigeration systems	031315	NAT10809001 NAT10878001 NAT10878002 NAT10878003 NAT10878004 NAT10878005 NAT10878006	2
<b>Total Nominal Hours in Electives</b>				6
<b>Total Nominal Hours</b>				161

<b>Entry requirements</b>	<p>Entrants to the 10878NAT Course in Refrigeration and Air-Conditioning - Minimum Australian Context Gap must:</p> <ul style="list-style-type: none"> <li>• hold an Offshore Technical Skills Record (OTSR) for a UEE32211 Certificate III in Air-conditioning and Refrigeration (or successor)</li> <li>• be engaged (employed) as a refrigeration and air conditioning worker or have access to a workplace environment that replicates workplace conditions</li> </ul>
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