

Qualification code	AUR313XX
Qualification title	Certificate III in Automotive Engine Reconditioning
Qualification description	<p>This qualification reflects the role of individuals who recondition engines in the automotive service and repair sector. It is suitable for entry into the automotive specialist service and repair sector.</p> <p>No licensing, legislative or certification requirements apply to this qualification at the time of publication.</p>
Entry requirements	This qualification may be accessed by direct entry.
Packaging Rules	<p>Total number of units = 28</p> <p>13 core units, plus</p> <p>15 elective units, of which:</p> <ul style="list-style-type: none"> up to 15 units may be chosen from the Elective Units listed below up to 5 units may be chosen from a Certificate II qualification or above in this Training Package or another endorsed Training Package or accredited course, provided that the units chosen contribute to the vocational outcome of this qualification and do not duplicate the outcome of another unit chosen for the qualification. <p>CORE UNIT CODES AND TITLES</p> <ul style="list-style-type: none"> AURAEA002 - Follow environmental and sustainability best practice in an automotive workplace AURASA102 - Follow safe working practices in an automotive workplace AURMTA007 - Conduct non-destructive testing AURTTE001 - Apply knowledge of engine science AURTTK001 - Use and maintain measuring equipment in an automotive workplace AURTTK102 - Use and maintain tools and equipment in an automotive workplace AURTTM002 - Repair bearing tunnels and connecting rods in engines AURTTM004 - Assemble engine blocks and sub-assemblies AURTTM007 - Carry out crankshaft grinding AURTTM008 - Dismantle and evaluate engine blocks and sub-assemblies AURTTM009 - Fit sleeves and bore and hone engine cylinders AURTTM011 - Recondition engine cylinder heads AURTTW003 - Carry out machining operations <p>ELECTIVE UNIT CODES AND TITLES</p>

	<ul style="list-style-type: none"> • AURHTE102 - Diagnose and repair heavy vehicle compression ignition engines • AURLTE001 - Remove and install light vehicle engine assemblies • AURLTE102 - Diagnose and repair light vehicle engines • AURTTA105 - Select and use bearings, seals, gaskets, sealants and adhesives • AURTTA009 - Carry out mechanical pre - repair operations • AURTTA118 - Develop and carry out diagnostic test strategies • AURTTF105 - Diagnose and repair engine forced-induction systems • AURTTM001 - Operate and monitor computer numerical control machines • AURTTM003 - Apply metal to rebuild engine components • AURTTM005 - Balance rotating and reciprocating engine components • AURTTM006 - Perform advanced machining and blueprinting of engine components • AURTTM010 - Heat treat, straighten and reclaim engine components • AURTTM012 - Carry out camshaft grinding • AURTTW002 - Set, operate and monitor specialist reconditioning machines • AURVTW101 - Carry out manual metal arc welding on components • AURVTW103 - Carry out advanced gas metal arc welding on vehicle body sections • AURVTW104 - Carry out tungsten inert gas welding • AURVTW109 - Carry out basic gas metal arc welding • AURVTW018 - Carry out oxyacetylene welding, thermal heating and cutting
Qualification mapping information	Supersedes and is equivalent to <i>AUR31316 Certificate III in Automotive Engine Reconditioning</i> .
Links	Companion Volume Implementation Guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1

Modification History

Release	Comment
Release 1	This version was first released with AUR Automotive Retail, Service and Repair Training Package Version XX to incorporate updates to superseded core and elective units.