SOLAR WATER HEATING SYSTEMS MICRO-CREDENTIAL SUMMARY

WAIHANGA ARA RAU
Construction and Infrastructure
Workforce Development Council

Title	Solar Water Heating Systems Micro-credential		
Level	4	**Credits**	10
Purpose	The purpose of this micro-credential is to provide learners a formal credential for the recognition of the skills and knowledge required to successfully install, test and commission new systems and maintain current systems. The micro-credential covers specialist subject matter and is of particular interest to plumbers.		
Outcome	On successful completion of this micro-credential, learners/ākonga will be able to demonstrate competence in the installation, commissioning, testing and maintenance of solar water heating systems as well as an understanding of the underpinning regulations, standards, codes and principles.		
Components & Learning Outcomes	This micro-credential has two components: • Demonstrate underpinning knowledge, principles, regulations, standards and codes related to solar heating systems. (Direct and indirect heating). • Install, commission and test solar water heating systems. Learners/ākonga will be skilled in: • Regulatory requirements, concepts and principles • Selection of methods and materials related to the proposed installation or maintenance of system • Access and safety, fixing, load and weather tightness considerations • Installation, commissioning, testing and maintenance of the system including fault rectification. The learning components can be delivered concurrently to provide an integrated learning experience. The components are comprised of the learning outcomes that lead to the award of the two unit standards listed below.		
Standards	US 30610 – Demonstrate knowledge of the installation, testing, commissioning, and maintenance of solar water heating systems. Level 4, 5 credits. US 30611 - Carry out installation, testing, commissioning, and maintenance of solar water heating systems. Level 4, 5 credits.		
Delivery	This micro-credential is designed to be delivered using a combination of a theory component that may be off-site or on job and a more substantial practical application of the theory knowledge on a worksite/s that provide different contexts for learners/ākonga to apply their knowledge.		