

The Solomon Islands National University Technical and Further Education (SINU TAFE) is offering skillset trainings for the industries, organisations and interested individuals who wish to learn new skills, update and improve their existing Knowledge and skills. These trainings will provide students the opportunity to learn new skills to find employment, used to improve your work performances and use to build into a full TVET qualifications for certificate II, certificate III and certificate IV in trades and other disciplines. It is also an opportunity for people who have been working on the skillsets published below to obtain a formal qualification.

### Course offerings for the months of September and October 2024

	Skillset	Brief Description of Skillsets	Proposed Date	Fees
1	Automotive Air conditioning and HVAC systems skill set for automotive technicians	This skill set covers procedures for inspect, service, diagnose and repair of air conditioning systems including heating, ventilation, air conditioning and cooling (HVAC) systems that are fitted to a range of vehicles and equipment for passenger/operator convenience and comfort.	23 <sup>th</sup> September to 4 <sup>th</sup> October 2024	\$1340.00
2	Automotive Basic Vehicle Service Skill Set for Vehicle owners	This is a skill set covering the fundamental requirements for Automotive mechanical technicians and vehicle owners to inspect and carry out basic service in contemporary vehicles in the automotive retail, service, and repair industry as well as home garage setting	23 <sup>th</sup> September to 4 <sup>th</sup> October 2024	\$1,450.00
3	Automotive Diesel fuel system skillset for diesel fitters and light vehicle technicians	This skillset covers the competence required to carry out repairs to diesel fuel systems as used in heavy vehicles, agricultural machinery, and earthmoving equipment. It includes testing, removal, repair and or replacement of diesel fuel system components	23 <sup>th</sup> September to 4 <sup>th</sup> October 2024	\$1380.00
4	Automotive Electrical skill set for light vehicle technicians	This is a skill set covering the fundamental requirements for light vehicle mechanical technicians to diagnose and repair electrical faults in	30 <sup>th</sup> September to 11 <sup>th</sup> October 2024	\$1400.00

		contemporary vehicles in the automotive retail, service, and repair industry.		
5	Small Engines: Out Board Motor (OBM) Servicing, Repair and Maintenance	<p>This Skillset covers repair and maintenance of OBM engines. It involves engine and associated components inspection, servicing and maintenance. It describes the performance outcomes required to inspect and service OBM engines according to manufacturer instructions. It involves preparing for the task, inspecting the engine, reporting the inspection findings, servicing and adjusting the engine, and completing workplace processes and documentation.</p> <p>It applies to those working in the outdoor power equipment service and repair industry. The engines include those of two-stroke and four-stroke spark ignition, or four-stroke compression ignition engines of outdoor power equipment</p>	30 <sup>th</sup> September to 11 <sup>th</sup> October 2024	\$1,300.00
6	Automotive electronic diesel engine management systems skill set.	This skill set describes the performance outcomes required to diagnose and repair electronic compression ignition engine management systems fitted to light and heavy vehicles. It involves diagnosing deviations from correct operation, repairing electronic engine management components and associated diesel emission control systems, and undertaking post-repair testing procedures	7 <sup>th</sup> to 18 <sup>th</sup> October 2024	\$1,400.00
7	Quantity surveying and understanding drawing specifications	Skillset cover basic builders' quantities and drawing specifications. It is design to equip and develop construction professionals who will be involved in constructions to understand, and interpret Bill of Quantities and drawing specification of construction projects. This skillset will make construction managers become aware of the materials, services, and works	21 <sup>th</sup> October to 1 <sup>st</sup> of November 2024	\$1,350.00

		requirements of a given construction project. It will give them the skills to read and interpret the BOQ, the design of the project and the work and the financial implication of the construction projects. This course will also enable them to produce BOQ and drawing specification		
8	Project Management in Construction, using specialized software	This course provides a comprehensive exploration of project management principles and practices within the construction industry. Students will gain an understanding of the methodologies, tools, and techniques essential for managing construction projects effectively from initiation through completion. Emphasis will be placed on planning, execution, monitoring, and control processes, with a focus on delivering projects on time, within scope, and on budget while adhering to safety and quality standards.	30 <sup>th</sup> September to 11 <sup>th</sup> October 2024	\$1,350.00
9	Tender writing in construction	This course is designed to give students/participants the opportunities to acquire knowledge and skills in responding to call for tenders and writing tenders bids that meets construction tender requirements as specified by clients. This includes the awareness of the types of tenders; knowledge of the processes of tendering; writing a tender, selecting the required documents for the tender, Interpret tender documents; complete a tender price for a job; Interpret building plans; familiarize with design concepts; understand design innovations; read dimensions from a building plan; visualize construction techniques associated to drawings	21 <sup>st</sup> October to 1 <sup>st</sup> November 2024	\$1,250.00
10	<b>Carry out setting out and levelling operation for Buildings</b>	This skillset specifies the outcomes required to identify site boundaries and survey indicators, and establishing, measuring and setting up profiled set outs for buildings and structural	21 <sup>st</sup> October to 1 <sup>st</sup> November 2024	\$1,300.00

		<p>components of building work and provide the practical training on the stages of. This skillset also specifies the outcomes required to conduct levelling procedures using the rise and fall method and the height of instrument method for the purpose of establishing correct and accurate set out of buildings, their components and preparation. It includes the set-up, testing and use of levelling devices and undertaking closed traverses using a range of levelling equipment</p> <p><b>Application of the skillset</b>  This skillset will enable the learners to acquire skills to set out for a range of construction activities, including the positioning of a building and associated structures on a site, which includes working with others and as a member of a team. The skillset also supports achievement of skills to accurately use a variety of levelling devices commonly used in the construction industry to establish accurate set out data for a range of construction projects, which includes working with others and as a member of a team</p>		
11	Construct timber external stairs	<p>This skillset aims to provide the learners the knowledge and skills in constructing timber external stairs. It specifies the outcomes required to construct and install timber external stairs that may involve one or more flights, to provide access into a structure. It includes timber treads and stringers. This unit of competency supports achievement of skills for constructing stairs to external access to a building or construction structure, which includes working with others and as a member of a team.</p>	30 <sup>th</sup> September to 11 <sup>th</sup> October 2024	\$1,200.00
12	Read and interpret plans and specifications	<p>This skillset is designed to provide the learners the knowledge and skills of interpreting building plans and specifications. It specifies the outcomes required to read and interpret plans and specifications relevant to</p>	30 <sup>th</sup> September to 11 <sup>th</sup> October 2024	\$700.00

		construction operations. It includes the identification of types of plans and drawings and their functions, the recognition of commonly used symbols and abbreviations, the identification of key features and specifications on a site plan, the comprehension of written job specifications and the recognition of document status and amendment detail.		
13	<b>Basic Photovoltaic Stand Alone Solar Systems</b>	This unit provides an introduction to the design, installation, and operation of a basic standalone solar power system. It covers the fundamental concepts and practical skills required to understand and implement a self-contained solar energy system capable of powering small appliances or devices in off-grid environments.	14 <sup>th</sup> October to 8 <sup>th</sup> November 2024	\$1,300.00
14	Perform MIG welding operation	This skillset provides the learner the opportunity to acquire knowledge and skills of Metal Inert Gas welding (MIG). This include the knowledge of equipment and materials used for MIG welding, the power for used for MIG welding and the work environment for MIG welding. The skillset will enable the learner to acquire the knowledge of the procedure of conducting MIG welding operation. This includes position and angle for MIG welding, the speed required for MIG welding, the mode of metal transfer.	30 <sup>th</sup> September to 11 <sup>th</sup> October 2024	\$1,300.00
15	Perform gas welding operation	<p>This unit covers preparing materials and performing routine oxy acetylene welding.</p> <p><b>Application of the Unit</b></p> <p>This unit applies in an environment where the welding is not required to meet a relevant standard or equivalent. Fillet and butt welds would typically be performed on low carbon/mild steels.</p>	16 <sup>th</sup> to 27 <sup>th</sup> September 2024	\$1,400.00

16	Perform manual metal arc welding operation	<p>Skillset provides the learner the opportunity to acquire knowledge and skills of preparing the materials, setting up welding equipment for MMAW, reading and interpreting routine information on written job instructions, specifications and standard operating procedures and carrying out routine manual metal arc welding (MMAW). It applies in a maintenance or manufacturing environment.</p> <p>It is best for workers who wish to become welders and for those who had been working in a mechanical engineering setting where welding is a main operation for work.</p>		
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#### Detail Information of Fees and credit points

The tuition fees are calculated based on the credit points for each course while the other costs are minimum estimates for other charges.

The total fees includes

1. Tuition fee
2. Resources

#### Cost Break Down for the courses

	Skillset	Description of costs	Credit Points	Unit cost	Fees
1	Basic Photovoltaic Stand Alone Solar Systems	Tuition (\$120 x 7) Resources	7	\$840.00 \$460.00	\$1300.00
2	Automotive basic vehicle service skill Set for vehicle owners	Tuition (\$110 x10 ) Resources	10	\$1100.00 \$350.00	\$1450.00
3	Perform manual metal arc welding operation	Tuition (\$110 x8 ) Resources	8	\$880.00 \$400.00	\$1280.00
4	Automotive Air conditioning and HVAC systems skill set for automotive technicians	Tuition (\$110 x10 ) Resources	10	\$1100.00 \$350.00	\$1,450.00
5	Automotive Electrical skill set for	Tuition (\$130 x 7) Resources	7	\$930.00 \$350.00	\$1,280.00

	light vehicle technicians				
6	Automotive electronic diesel engine management systems skill set.	Tuition (\$130 x 7) Resources	7	\$910.00 \$350	\$1,410.00
7	Quantity surveying and understanding drawing specifications	Tuition (\$60 x 20) Resources	20	\$1200.00 \$150.00	\$1,350.00
8	Project management in Construction, using specialized software (MS Project)	Tuition (\$60 x 20) Resources	20	\$1,200.00 \$150.00	\$1,350.00
9	Tender Writing in construction	Tuition (\$55 x 20) Resources	20	\$1,100.00 \$150.00	\$1,250.00
10	Carry out setting out and levelling operation for Buildings	Tuition (\$140 x 6) Resources	6	\$840.00 \$460.00	\$1,300.00
11	Read and interpret plans and specifications	Tuition (\$180 x 3) Resources	3	\$540.00 \$160.00	\$700.00
12	Perform MIG welding operation	Tuition (\$180 x 8) Resources	8	\$880.00 \$400.00	\$1,280.00
13	Perform gas welding operation	Tuition (\$180 x 8) Resources	8	\$880.00 \$400.00	\$1,280.00
14	Construct timber external stairs	Tuition (\$180 x 4) Resources	4	\$720.00 \$500.00	\$1,220.00