Clean Energy Council – Accreditation Pathways
Trade Based Training

Accreditation Type	Electrical Knowledge – Required Units of Competency*	PV System Knowledge – Required Units of Competency
Stand-alone Power System Accreditation		
SPS Design	E101A, E104A, E107A	K123A, K125A, K128A, K139A
SPS Install	**All units *(or hold unrestricted electrical licence)***	K123A, K125A, K128A, K134A
SPS Design & Install	**All units *(or hold unrestricted electrical licence)***	K123A, K125A, K128A, K134A, K139A
Grid-connect PV System Accreditation		
GC Design	E101A, E104A, E107A	K125A, K135A *(or VU22123,VU22124)*
GC Install	Must hold unrestricted electrical licence	K125A, K148A
GC Design & Install	Must hold unrestricted electrical licence	K125A, K135A, K148A *(or VU22123, VU22124, K148A)*

Electrical Knowledge – Units of Competency*		PV System Knowledge – Units of Competency	
E101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace	K123A	Carry out basic repairs to renewable energy apparatus
E102A	Fabricate, assemble and dismantle utilities industry components	K125A	Solve basic problems in photovoltaic energy apparatus
E104A	Solve problems in d.c. circuits	K128A	Solve problems in stand-alone renewable energy systems
E105A	Fix and secure electrotechnology equipment	K134A	Install ELV standalone photovoltaic power systems
E107A	Use drawings, diagrams, schedules, standards, codes and specifications	K135A	Design grid connected photovoltaic power supply systems
E108A	Lay wiring/cabling and terminate accessories for ELV circuits	K139A	Design stand-alone renewable energy (RE) systems
G101A	Solve problems in electromagnetic devices and related circuits	K148A	Install, configure and commission LV grid connected photovoltaic power systems

*For accreditation purposes, Fully Licensed Electricians and Electrical/Electronics/Power Engineers may provide evidence of their Electrical qualifications in place of the listed Electrical knowledge components

Endorsements – Required Units of Competency		
Hybrid	K133A	Design hybrid renewable power systems
Micro-Hydro	K124A	Solve Basic problems in micro-hydro systems
	K137A,	Install, set up and maintain ELV micro-hydro systems rated up to 6.4 kW
	K138A	Design micro-hydro systems rated to 6.4 kW
Small Wind	K130A	Solve problems in wind energy conversion systems rated up to 10 kW
	K131A	Design wind energy conversion systems (WECS) rated to 10 kW.
	K143A	Install small wind energy conversion systems rated up to 10 kW for ELV stand-alone applications
Grid Connect with Storage	UEERE4001	Install, maintain and fault find battery storage systems for grid connected photovoltaic systems
	UEERE5001 *(or VU22125)*	Design battery storage systems for grid connected photovoltaic systems *(or Design a grid-connected battery storage system to meet client requirements)*

Clean Energy Council – Accreditation Pathways
University Based Training

The following process is for applicants who were students from the following tertiary education providers:

- Murdoch University | *Bachelor of Science in Energy Studies, Bachelor of Sustainable Energy Management or Postgraduate Coursework in Energy Studies, Bachelor of Engineering (Renewable Energy Engineering)*
- University of NSW | *Bachelor of Engineering Photovoltaic and Solar Energy* and *Masters in Photovoltaic and Solar Energy*
- Curtin University | *Master of Engineering Science (Renewable Energy Electrical Power Systems*)
- TAFE NSW | *Associate Degree of Applied Engineering (Renewable Energy Technologies)*

Murdoch University – Energy Studies must show proof of satisfactory completion of the following modules to receive Provisional Accreditation – **SPS Design Only**:

- PEC390 or PEC590 (New codes post 2014: PEN590)

Murdoch University – Renewable Energy Engineering must show proof of satisfactory completion of the following modules to receive Provisional Accreditation – **SPS Design Only**:

- ENG351, ENG352 and ENG307
- New codes post 2015:ENG337, ENG338 and ENG339

Murdoch University – Renewable Energy Engineering must show proof of satisfactory completion of the following modules to receive Provisional Accreditation – **GC Design Only**:

- ENG421
- New code post 2016: ENG442

University of NSW must show proof of satisfactory completion of the following modules to receive Provisional Accreditation – **SPS Design Only**:

- SOLA5054 / SOLA9014

University of NSW must show proof of satisfactory completion of the following modules to receive Provisional Accreditation – **GC Design Only**:

- SOLA4012 / SOLA9007

Curtain University Masters graduates must show proof of satisfactory completion of the following modules to receive Provisional Accreditation – **SPS & GC Design Only**:

- Renewable Energy Principles 301/603
  New codes post 2015: ELEN3004 (v.1) /ELEN6013 (v.1)
- Renewable Energy Systems 402/604
  New codes post 2015: ELEN4000 (v.1)

TAFE NSW must show proof of satisfactory completion of the following to receive Provisional Accreditation – **GC Design Only**:

AEEGY101A Grid connected photovoltaic power systems Students must provide proof of completion of these studies in the form of a certified academic record. This academic record must be submitted as part of a normal Provisional Accreditation application, including all other required aspects of this application.