Institute	Courses available	Course code	Course format and options	Entry requirements	Next intake date	Course contact name	Comments
New South Wales							
Global Sustainable Energy Solutions Pty Ltd (GSES) Botany, NSW	CEC accredited training: Grid Connect PV Design Grid Connect PV Install Grid Connect PV Design & Install	GSES-PVD: Design only GSES-PVI: Install only GSES-PVDI: Design & Install	Learn the industry standard and best practice for designing and installing grid-connect PV systems. Delivered online including quizzes and assessments. PV install and design/install courses also have a face-to-face practical component which is held on a 6-weekly cycle. Design courses include a written exam and design task.	Appropriate electrical pre-requisites as per CEC requirements	Design only: Online offered continuously Install only: Online offered continuously, practical monthly Design & Install: Online offered continuously, practical monthly	Training Manager Ph: 1300 265 525 admin@gses.com.au www.gses.com.au	GSES is a private registered training organisation (RTO)
	Grid Connect Solar with Batteries, Design Only	GCwB-D	Delivered online including quizzes, assessment and design task. Learn about system design and best practice for the design of GCwB systems. Resource manual provided and tutor access available for course duration.	Grid Connect Design and Install is a prerequisite.	Online course offered continuously		
	Grid Connect Solar with Batteries, Install Only	GCwB-I	The course is the installation practical component for the Grid Connect with Batteries Design Only course. Delivered at GSES's Botany training centre. Covers AC and DC bus systems, system installation and best practice for the installation of grid-connect systems with batteries.	Grid Connect Design and Install is a prerequisite. Learn and practice the installation process in GCwB systems	Practical course runs monthly only. Available from 1 February 2015.		
	Introduction to Stand Alone Power Systems	SAPS	3 hour professional development short course. Learn how site assessment affects system design in stand-alone power systems.	PV industry experience desirable	Training schedules published quarterly		
	What's New in PV	PD1	3 hour professional development short course. Learn about new technological developments in the PV industry from both GSES and industry	PV industry experience desirable	Training schedules published quarterly		
	Solar Power System Fundamentals	SPSF	Online course providing course information and quizzes. Training outcomes to suit property owners, commercial building owners/lessees, local government associations, industry and trades having to work around solar PV systems.	No entry requirements	Online course offered continuously		
	Fault Finding Commissioning and Maintenance	PD2	3 hour professional development short course on best-practice methods for fault finding, commissioning and practical or digital demonstration of process.	Valid electrical licence	Training schedules published quarterly		
	Response to Tenders: Solar Technical Content	PD3	1.5 hour professional development short course on tender scoping, presentation (technically and graphically) and time allocation.	PV industry experience desirable	Training schedules published quarterly		
	PV Module Supporting Devices	PD4	1.5 hour professional development short course both technical and product specific on microinverters, DC optimisers, data logging and arc detection.	PV industry experience desirable	Training schedules published quarterly		
	Solar Sales	Sales 101	Online or face-to-face bespoke training for industry sales representatives	Open entry	Courses run at the request of students and industry		
Mount Druitt College, Western Sydney Institute, NSW	Associate Degree of Applied Engineering (Renewable Energy Technologies)	20502		Recommended completion of a Certificate IV or higher or recognised Tertiary Preparation Certificate or Year 12	Jan 2015	Vince Blanco Head Teacher Electrical Engineering Ph: (02) 9208 6244 College Business Unit Ph: (02) 9208 6244	
	Sustainable – Designer – Installer of Grid Connected Photovoltaic Systems – Statement of Attainment	20366		Licensed electrician	Ongoing		
	Design and Install Stand-Alone (SPS) Photovoltaic (Power Systems Accreditation) – Statement of Attainment	20392		Accredited grid designer/ installer			

Institute	Courses available	Course code	Course format and options	Entry requirements	Next intake date	Course contact name	Comments
New South Wales (cont)							
NECA Training Burwood, NSW	Grid Connect PV Design & Install	509	Online theory training and assessment. Two day practical workshop. Design task assignment	The participant must be a licensed electrician.	Continual enrolments throughout the year	Cidalia Freitas Ph: (02) 9744 1099 cidaliaf@neca.asn.au www.neca.asn.au	Course provides qualifications required to apply to the Clean Energy Council to become an accredited installer of PV technologies
TAFE NSW South Western Sydney Institute (SWSI) Chullora Campus, NSW	Certificate IV Electrical – Photovoltaic Sytems	20249	TBA	Participants must be licensed electricians, and should be in relevant employment or have access to appropriate simulated workplace environments to achieve completion requirements.	January 2015	Patrick Riley Electrical Trades Head Teacher Ph: (02) 9742 0451	Commencement of course depends on demand.
	Statement of Attainment - Grid Connected Photovoltaic (PV) Systems	19823	TBA	Participants must be licensed electricians, and must be in relevant employment or have access to appropriate workplace environments to achieve completion requirements.	January 2015		
TAFE NSW Northern Sydney Institute Hornsby Campus, NSW	Sustainable – Designer – Installer of Grid Connected Photovoltaic Systems – Statement of Attainment	20366	Fridays 8am – 5pm (3 months x 8 hours per week). Students will attend an information session and be shown how to access relevant Australian Standards needed for the course. Students complete theory online then attend for 3 days of intense practical training. The final requirement is submission of a design task.	Applicants must have successfully completed the competency standard unit UEENEEG105A – Verify Compliance and Functionality of Low Voltage General Electrical Installations or must hold a current unrestricted electrical licence issued in an Australian state or territory.	5 September 2014	Northern Sydney Institute Customer Contact Centre Ph: 131 674	Successful completion of this course enables accreditation with Clean Energy Council.
TAFE NSW Northern Sydney Institute	TAFE Plus Statement in PV System Installation and Maintenance	25362	Wednesdays 5.30–9.30pm (4 hours x 1 week)	No entry requirements	3 September 2014, 12 November 2014	Northern Sydney Institute Customer Contact Centre Ph: 132 674	A short introduction designed for electrically qualified people wanting a basic understanding of PV systems.
	TAFE Plus Statement in Maintenance of Solar PV Technologies	25363	Wednesdays 5.30–9.30pm (4 hours x 1 week)	No entry requirements	8 October 2014	Northern Sydney Institute Customer Contact Centre Ph: 133 674	A short introduction designed for both electrically and non-electrically qualified people wanting to learn about basic maintenance of solar PV technology requirements and procedures, or interested in entering the renewable energy industry.
University of NSW Sydney, NSW	Photovoltaic Devices and Applications for Professionals	-	Online only, 12 week course	-	Enrol any time, but March is best to be with a larger discussion group	Rob Largent Ph: (02) 9385 5457 r.largent@unsw.edu.au www.pv.unsw.edu.au	-
	Bachelor of Engineering – Renewable Energy Engineering		On-campus only, 4 years		August 2015 via Universities Admission Centre (UAC). Late submissions till Feb 2016		
	Bachelor of Engineering – Photovoltaics and Solar Energy Engineering						

Institute	Courses available	Course code	Course format and options	Entry requirements	Next intake date	Course contact name	Comments
Queensland							
TAFE Queensland SkillsTech Eagle Farm Campus, QLD	CEC Grid Connect Accreditation (Design and Install)		Face-to-face training	Year 12 maths and science or mature age entry (an existing electrical qualification will reduce units undertaken)	Ongoing	The Contact Centre Ph: 1800 654 447 Richard Cary (Course coordinator) Ph: (07) 3259 3004 Admin Officer Ph: (07) 3259 3109 recadmin.skillstech@deta.qld.gov.au	Some modules from this course require practical exercises, which may be completed on the job or through attendance at our campus
	CEC Stand Alone Accreditation (Design and Install)						
	CEC Grid Connect with Batteries Accreditation (Design and Install)						
	Grid Connect with Batteries (Design and Install) – non-accredited			Grid Connect and Stand Alone Accredited			
	RV and Caravan Solar Systems (Design and Install) – non-accredited			Nil			
TAFE Queensland East Coast, QLD	Stand Alone Systems	UEE62011	Duration: 20 weeks to complete the online and practical components, including a 5 day workshop at Nambour to learn/display the practical component	The participant must be a licensed electrician	Ongoing	TAFE Queensland East Coast Ph: 1300 656 188 tafeeastcoast.edu.au	This course will give you the skills to become qualified as a Stand Alone Solar Power Installer. This program delivers competencies from the Diploma of Renewable Energy that are a requirement of the Clean Energy Council.
	Grid Connect Design and Install – Short Course	RII20209	6 consecutive days (Monday to Saturday), 8am – 5pm, plus 6 weeks to complete assignments at home	The participant must be a licensed electrician and be industry current			On successful completion of this program, you'll have fulfilled all the Clean Energy Council's requirements to be awarded a full accreditation to design and install grid-connected photovoltaic (PV) power systems.
University of the Sunshine Coast Sippy Downs, QLD	Introduction to Sustainable Energy Systems	ENS281	Full-time on campus	Apply to enrol at USC via QTAC or cross institutional enrolment from another university	Semester 1, 2015	Dr Aaron Wiegand SSEscienceDL@usc.edu.au	A basic introduction to the physics of renewable energy systems
South Australia							
Tonsley TAFE Adelaide, SA	Grid connected PV systems install accreditation training	K125A & K148A	Block training	As per CEC requirements	Ongoing	Kennedy Mavunganidze Ph: (08) 8207 9583 Kennedy.Mavunganidze@tafesa.edu.au Admin Ph: (08) 8207 2843 electrical@tafesa.edu.au www.tafesa.edu.au	-
	Grid connected PV systems design accreditation training	K125A & K135A	Block training	As per CEC requirements			
	Grid connected PV with energy storage install training		Block training				
	Grid connected PV with energy storage design training		Block training				
	Stand Alone Power Systems Accreditation training	K123A, K125A, K128A, K134A, K139A	Block training	As per CEC requirements			
	Certificate IV in Renewable Energy	UEE41611	Part time	Completion of high school education	Twice a year		
Tasmania							
TasTAFE	Grid Connect PV for Electricians and Electrical Engineers	GC-I GC-D GC-D&I	Install only – 4 days Design only – 6 short days Design and Install – 6 full days	Students must be licensed electricians or electrical/electronic engineers	As demand allows, at least two courses in northwest, north and south of Tasmania per year	Paul Nilssen Ph: (03) 64777466 Paul.Nilssen@tastafe.tas.edu.au www.tastafe.com.au	GC-I is for electricians installing grid-connect PV systems which are designed by a third party. GC-D is for electricians or electrical engineers who design grid-connected PV systems for a third party electrician to install. GC-D&I is for the principal or project manager of a company that installs, designs and supervises installation of grid-connected PV systems

Institute	Courses available	Course code	Course format and options	Entry requirements	Next intake date	Course contact name	Comments
Tasmania (cont)							
University of Tasmania Hobart, TAS	Graduate Certificate in Renewable Energy Power Systems	N5B	One-year full time or two years part time; currently on-campus, but in future some units will be online	A Bachelor degree in electrical engineering or degree/tertiary qualification deemed equivalent by the university. Students with relevant experience or training approved by the Associate Dean and the course coordinator might be eligible	Enrolments can be made all year with 13 weeks to complete any given unit	School of Engineering Ph: (03) 6226 2135 Professor Michael Negnevitsky Ph: (03) 6226 7613 Michael.Negnevitsky@utas.edu.au www.creps.utas.edu.au	The certificate is designed to meet the needs of engineers who have prior knowledge or some experience on distribution, transmission and generating utilities and are seeking to improve their knowledge or accelerate their experience. The course will provide participants with the skills and knowledge identified to meet industry competencies
Victoria							
Chisholm Institute of TAFE Berwick, VIC www.chisholm.vic.edu.au	Cert II in Renewable Energy	UEE21510	Full time and part time	Year 11 maths and science or mature age entry	December, January and February	Centre for Integrated Engineering & Science Ph: (03) 9212 5149 enquiries@chisholm.vic.edu.au	Aimed at people interested in design, installation, commissioning, operation, maintenance, equipment sales, consultancy or energy management
	Cert IV in Renewable Energy	UEE41610		Year 12 maths and science or mature age entry			
	Advanced Diploma of Engineering Technology – Renewable Energy	UEE62010			December, January and February		
	CEC accredited training for: Solar Grid-Connect – Design Solar Grid-Connect – Install, Wind accreditation units	K025C (SO03171) K026B (SO03172) K035C (SO03173)	On-campus, part time: 2+2+2 weeks	Qualified electrician, E/E engineer or Certificate IV in Renewable Energy as per CEC requirements	Rolling intakes all year	Short Courses Ph: (03) 9238 8111	Clean Energy Council (CEC) accredited training
Holmesglen Institute, Moorabbin, VIC	Design and Install Grid Connected PV Systems	REDIPV	Delivered over 5 days at our Moorabbin Renewable Energy Training Centre with online activities and assessments, with an option of a weekend field trip to our rural campus at Snobs Creek near Eildon, Vic	Licensed electrician	Monthly, check with Institute	EEIT Office Ph: (03) 9209 5690 EEIT@Holmesglen.edu.au Program Manager: David Tolliday David.Tolliday@Holmesglen.edu.au	Successful completion meets CEC accreditation requirements.
	Designer Only Grid Connected PV Systems	REDOPV	Delivered face-to-face at Moorabbin training centre with online activities and assessments	Engineer or electrical competencies as required by CEC accreditation	Check with Institute		Successful completion meets CEC accreditation requirements.
	Install Only Grid Connected PV Systems	REIOPV	Delivered face-to-face at Moorabbin training centre with online activities and assessments	Licensed electrician	Check with Institute		Successful completion meets CEC accreditation requirements.
	Design and Install PV Systems (for industry groups)	REDIPVM	Course specifically designed for your organisiation		As required		Can be designed to lead to formal qualification for CEC accreditation or information session for non-electrical staff, eg sales team
	PV for Project Managers	PV4PM	Delivered over 4 days at Moorabbin training centre. Certificate of Completion awarded only; this course does not offer participants any formal qualification. There is no formal assessment and completion cannot be used for RPL into other courses		Check with Institute		Designed for non-electrical project managers, supervisors and people with an interest in PV systems to learn how PV systems work, are designed and installed.
	Design and Install Off-Grid PV Systems	REDISAPS	Delivered online (activities and assessments) with face-to-face practical and review sessions at Moorabbin training centre	Licensed electrician	February, May, July, September; check with Institute		Successful completion meets CEC accreditation requirements.
	Stand-Alone Power Systems (ELV)	RESAPS			Check with Institute		
	Design and Install Small Wind Energy Conversion Systems	REWECS	Delivered online (activities and assessments) with face-to-face practical and review sessions at Moorabbin training centre.	Licensed electrician	April and September; check with Institute		Successful completion meets CEC accreditation requirements.
	Wind Accreditation RPL Process	REWECS_RPL	In a one-on-one environment at your workplace or onsite	Experienced small wind designers and installers	As required		Successful completion meets CEC accreditation requirements.
NECA Skills Centre VIC	Grid Connect	UEE42011	Short course	Licensed electrical worker 'A Class'	Ongoing	NECA Skills Centre Ph: (03) 9381 1922	www.necaskills.com.au/NECASkillsCentre/industryshortcourses/gridconnect.aspx
	EcoSmart	EcoSmart Electrician	15 to 20 hours online and 1 day classroom attendance	Licensed electrical worker 'A Class' or electrical apprentice (4th Year)		NECA Cheryl Thompson Ph: (03) 9645 5533	www.ecosmartelectricians.com.au

Institute	Courses available	Course code	Course format and options	Entry requirements	Next intake date	Course contact name	Comments
Victoria (cont)							
Northern Melbourne Institute of TAFE (NMIT) Epping, VIC	Grid Connect Install	Selected units from UEE41911	4 consecutive days	Electricians, electrical and electronics apprentices or electrical engineers	See website for schedules and dates: www.nmit.edu.au	Michelle Unicacke Ph: (03) 9269 8620 engineering@nmit.edu.au	Successful completion meets CEC accreditation requirements.
	Grid Connect Design						
	Stand Alone Power Supply Systems (SPS)		9 days (spread over 3 weeks)				
RMIT University Bundoora, VIC Ph: (03) 9925 6279 john.mo@rmit.edu.au CRICOS provider code: 00122A	Master of Engineering (Sustainable Energy)	MC229	2 years full time 4 years part time	Program entry requirements: An Australian bachelor's degree with a GPA of at least 2.0 out of 4.0 in engineering or science with exposure to physics and/or chemistry of energy (e.g. thermo-fluid science), or equivalent. Relevant disciplines include mechanical, aerospace, manufacturing, automotive, chemical, electrical and power, or electronics engineering; or science in physics or chemistry. Or an Australian bachelor's degree with a GPA of at least 2.0 out of 4.0 in any discipline and relevant professional work experience in the field of sustainable energy, or equivalent.	Semester 1 and 2, 2015	Dr Bahman Shaban Ph: (03) 99254353 bahman.shabani@rmit.edu.au	More information can be found at: www2.rmit.edu.au/Courses/pdf/mc229.pdf www.rmit.edu.au/programs/structure/mc229auscy www.rmit.edu.au/programs/mc229 Note also the general university requirements: www.rmit.edu.au/browse/Study at RMIT/Applying to RMIT/Entry requirements/
	BEng (Sustainable Systems Engineering) (Honours)	BH076	On campus	VTAC entry. Must achieve specified level of English and maths.	February 2015 and July 2015	Program Manager, BEng (Sustainable Systems Engineering) and related double degrees, School of Aerospace, Mechanical and Manufacturing Engineering	
	BEng (Sustainable Systems Engineering) (Honours) / Bbus (Management)	BH092					
	BEng (Sustainable Systems Engineering) (Honours) / Bdesign (Industrial Design) (Honours)	BH100					
Swinburne University of Technology Melbourne, VIC	Short course in Photovoltaic Grid Connect Design and/or Install	Selected units from UEE41611	4 days spread over 2 weeks	To undertake these units, participant must be a qualified electrician or electrical / electronics engineer or have completed all of the basic electrical prerequisites of the Certificate IV in Renewable Energy.	See Swinburne trade short courses website for schedules and dates.	Short Courses Ph: (03) 9726 1616 or (03) 9210 1987	This course includes all units required for Design and Install Solar Grid Connect CEC Accreditation.
	Short course in Stand Alone Power Supply Systems Design and Install		8 days spread over 2 weeks				This course includes all units required for Design and Install Stand-alone Power Systems CEC Accreditation.
	Short course in Wind Energy Conversion Systems		8 night classes spread over 8 weeks				This course includes all units required for Wind Energy Power Systems CEC Accreditation.
	Short course in Micro Hydro Power Systems		4 nights spread over 4 weeks				This course includes all units required for Micro Hydro Power Systems CEC Accreditation.
	Certificate IV in Renewable Energy	UEE41611	1 year full time or 2 years part time. Typically full time study involves 4 days per week and part time study is 1 night per week with options to attend days	Year 10 or equivalent with literacy and numeracy sufficient for Cert IV level. Mature-age entry welcome	You may enrol in this course at any time; however, our main intake times for 2014 are May, July and September.	Ph: (03) 9210 1987 or 1300 275 794	This course includes some units required for CEC Accreditation for Grid-connect, Stand-alone Power Systems, Wind Energy Conversion Systems and Micro Hydro Power Systems.

Institute	Courses available	Course code	Course format and options	Entry requirements	Next intake date	Course contact name	Comments
Western Australia							
Murdoch University, Perth, WA	Bachelor of Engineering (major): Renewable Energy Engineering	B1320	4 years full time or part-time equivalent (on-campus only)	Entry based on tertiary entrance rank (alternative pathways are also possible)	January 2015; mid-year intake possible	Martina Calais Ph: (08) 9360 7628 m.calais@murdoch.edu.au www.murdoch.edu.au/School-of-Engineering-and-Information-Technology	Focuses on the use of sources of energy which do not result in long-term reduction, or loss, of our earth's resources. Covers developing efficient means of tapping these energy sources and transforming the energy into useful forms for the full range of domestic and industrial applications. Graduates will be expected to design, commission and test a wide range of renewable energy systems, including solar thermal, photovoltaic, wind-based and biomass systems.
	Master of Renewable Energy	M1218	1 year full time or part-time equivalent (on-campus and external)	Recognised honours degree (AQF Level 8) or higher, or equivalent training, in sustainable energy management or renewable energy engineering, or Graduate Diploma in Energy Studies, or Graduate Diploma in Energy and the Environment, or satisfactory preparation through previous study or professional experience.	January 2015; mid-year intake possible	Trevor Pryor Ph: (08) 9360 2416 t.pryor@murdoch.edu.au Jonathan Whale Ph: (08) 9360 2102 j.whale@murdoch.edu.au www.murdoch.edu.au/School-of-Engineering-and-Information-Technology	Provides specific training in advanced areas of renewable energy technology. Emphasis on the design, analysis and implementation of energy systems, with particular emphasis on renewable energy systems. The renewable energy policy area of study provides graduates with training in advanced areas of renewable energy technology and policy with emphasis on policy analysis, market reforms and greenhouse accounting. The energy efficiency area of study provides graduates with training in advanced areas of energy management and energy efficiency, with emphasis on systems analysis and auditing and industrial and commercial technology.
	Graduate Diploma in Energy and the Environment	G1062	1 year full time or part-time equivalent (on-campus and external)	Recognised bachelor's degree (AQF Level 7) or higher, or equivalent training, or professional experience in a related area.	January 2015; mid-year intake possible		Provides training for Australian and international professionals working, or wishing to work, environmental management of the energy industry. The course is interdisciplinary across energy studies and environmental impact assessment. The objective is to provide an understanding of the policy context of energy systems, environmental impacts associated with these systems, and their assessment and subsequent monitoring. The course will be relevant to consultants wishing to practise in this field and to people employed by private and public organisations that are active in the energy and environment area. It contains a specialisation in Climate Science and Global Warming directed towards addressing the impacts of global warming, and mitigation and adaptation methods.
	Graduate Diploma in Energy Studies	G1065	1 year full time; offers the opportunity to explore an area in-depth via a short research project.	Recognised bachelor's degree (AQF Level 7) or higher, or equivalent training, in a related area. Students with alternative, satisfactory preparation may also be admitted.			Covers the core areas of Energy Studies to assist or enhance graduates' work in areas such as energy policy, energy economics, energy management and efficiency, sustainable energy systems design and planning, the environmental impact of energy systems and their use, as well as renewable energy research.
	Graduate Certificate in Energy Studies	C1105	1 semester full time or part-time equivalent (on campus and external)	Recognised bachelor's degree (AQF Level 7) or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.			Designed to cater for graduates of any discipline who wish to acquire knowledge and skills in the areas of energy management, energy systems or energy policy.

Institute	Courses available	Course code	Course format and options	Entry requirements	Next intake date	Course contact name	Comments
Western Australia (cont)							
College Of Electrical Training Inc Jandakot, WA	Lighting for Living	Lighting for Living	1 day (8 hours) or 2 x 4-hour evenings	To gain entry to this course learners should be either an apprentice electrotechnology electrician, a qualified electrician, an architect, a builder, a building designer, an electrical contractor or an electrical engineer.	On demand	Lynda LeBoydre Ph: (08) 9417 8166 admin8@cet.asn.au	The course has been designed to provide the learner with sufficient knowledge and skills to enable them to advise clients on their basic energy efficiency needs and which strategies they could utilise within their business/ property
	Sustainable – Designer, Installer of Grid Connected Photovoltaic Systems Skill Set	UEESS00101	Full time, 5 days and 1 evening	Anyone undertaking this Skill Set must have completed the Unit of Competency UEENEEG105A or hold a current unrestricted electrical licence issued in an Australian state or territory.	Rolling intakes – all year		This Skill Set provides licensed electricians with the training to design, install, set up, test, fault find, repair and maintain grid connected photovoltaic systems and associated equipment. Participants are required to obtain the following material from the Jandakot campus prior to course commencement: *Grid-Connected Photovoltaic Systems Design and Installation* by G.Stapleton, S.Garrett, S. Neill and Belinda McLean, published by Global Sustainable Energy Solutions Pty Ltd, cost $125.
Polytechnic West Thornlie Campus Perth, WA	Certificate IV in Electrical – Photovoltaic Systems Skill Set	UEE42011 A149	5 days on-campus plus off-campus assignments	Depending on pathway: electricians, unrestricted licence holders, electrical engineers or paraprofessionals	Enrolments all year	Anne Cannone Ph: (08) 9267 7674 or Carolyn Smart Ph: (08) 9267 7671	Clean Energy Council accreditation to design and install grid-connected photovoltaic systems