

**CENTRAL NEW MEXICO COMMUNITY COLLEGE  
ASSESSMENT CYCLE PLAN**

*Due to SAAC by September 30 following new program approval or at the end of the prior cycle plan*

Cycle Plan Years and Contact Information:			
2011-2015	Mark Nolan	<a href="mailto:mnolan@cnm.edu">mnolan@cnm.edu</a>	X33001
<b>Cycle Years</b>	<b>Contact Person</b>	<b>Email</b>	<b>Phone Number</b>

Subject of this Assessment Report:		
<b>Program:</b> <u>Electrical Trades - Photovoltaic</u> <input checked="" type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS	<b>Gen Ed Area:</b> _____ Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	<b>Discipline Area:</b> _____

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. Demonstrate a basic understanding of photovoltaic systems and define basic terminology involved in photovoltaic theory, design, and installation.	Fall 2011 – Spring 2012, Fall 2012 – Spring 2013		NABCEP Certificate of Knowledge Exam
2. Define basic terminology involved in photovoltaic theory, design, and installation	Fall 2013 – Spring 2014, Fall 2014 – Spring 2015	ELTR 2620 PV Theory, Design, and Installation; ELTR 2630 Advanced PV Theory, Design, and Installation	Project & Exams, direct
3. Recognize safety hazards associated with photovoltaic systems and identify safe practices for working with the various hazards.	Fall 2011 – Spring 2012, Fall 2012 – Spring 2013	ELTR 2610 PV Installation Safety	Exam, direct
4. Identify common photovoltaic systems applications and understand the basic types of PV systems, their major components, and all other necessary components.	Fall 2013 – Spring 2014, Fall 2014 – Spring 2015	ELTR 2620 PV Theory, Design, and Installation; ELTR 2630 Advanced PV Theory, Design, and Installation; ELTR 2692 PV	Lab Assignments, direct; Exams, direct

		Installation Lab	
5. Perform accurate system design calculations and demonstrate photovoltaic system installations.	Fall 2015 – Spring 2016, Fall 2016 – Spring 2017	ELTR 2630 Advanced PV Theory, Design, and Installation	Design project assignment, direct; Exam, direct