

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

Choose ONE of the following 3 areas for this assessment plan and insert the name of the general education area, certificate, degree or discipline on the appropriate line:

General Education Area (see definitions, indicate area on appropriate line)

AA/AS _____
AAS _____

Program (note program name on appropriate line)

Certificate Residential Wiring _____
AAS _____
AA _____
AS _____

Discipline Area

(see definitions) Electrical _____

1 Provide a list of student learning outcomes for this area or program (you may add more lines if necessary by right clicking and choosing insert row below):

1	Students will demonstrate the ability to safely and accurately test electrical test electrical values in a circuit using analog and digital meters.
2	Students will demonstrate the ability to solve complex electrical formulas that are commonly used in the electrical industry.
3	The student will demonstrate the ability to design and safely install electrical branch and feeder circuits in accordance with the National Electrical Code and New Mexico Electrical Codes for commercial and industrial electrical applications while working with coworkers and supervised by the instructor.
4	The student will be able to identify electrical materials and components used in installing 3-phase power distribution systems.
5	The student will demonstrate the ability to read and interpret basic electrical drawings used on commercial and industrial wiring applications.
6	The student will demonstrate the ability to safely and correctly connect 230/460 volt, three phase motors, transformers, and control wiring.
7	The student will demonstrate the ability to interpret, design, wire, and troubleshoot electromechanical motor control circuits to the applicable electrical codes and safety standards.
8	
9	
10	



2 Prepare the Preliminary Assessment Cycle for the above student learning outcomes and complete the following chart

Outcome #	When Measured	Where measured (i.e. what course(s))	Measurement tool(s) & Type of tool
1	Spring, Fall	1092 DC/AC Lab	Written exams, hands on lab procedures with an accuracy of at least 71%
2	Spring, Fall	1010 Electrical Math	Written exams with an accuracy of at least 71%
3			
4			
5			
6			
7			
8			
9			
10			