

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 Construction Technology Degree (Electrical)
 AAS _____
 AA _____
 AS _____

Discipline Area

(see definitions) _____

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	The student will be able to perform basic residential wiring mathematical calculations to acceptable levels of accuracy.
2	The student will be able to select given load ampacity or the maximum ampacity given a specific wire gauge and insulation, in accordance with branch circuit requirements of the <i>National Electrical Code</i> .
3	The student will be able to redraw blueprint circuitry into a schematic working diagram in accordance with the NEC requirements.
4	The student will be able to interpret blueprint plot plans and electrical plans in accordance with the <i>National Electrical Code</i> .
5	The student will be able to determine the ampacity, wire size, and service requirements in accordance with the <i>National Electrical Code</i> .
6	The student will be able to “rough-in” and “trim-out” standard residential dwelling rooms in accordance with the <i>National Electrical Code</i> .
7	Students will demonstrate the ability to design and safely install electrical branch and feeder circuits in accordance with the National Electrical Codes.
8	Students will demonstrate the ability to interpret, design, wire, and troubleshoot electromechanical motor control circuits to the applicable electrical codes and safety standards

9	Students will identify electrical materials and components used in three-phase power distribution power systems.
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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	First term	ELTR 1015 (Math)	Exam 1A -average of 71% or better
2	First term)	ELTR 1005 (Theory)	Exam 1B -average of 71% or better
3	First term (ELTR 1030 (AC Lab)	Exam 1AC-average of 71% or better
4	Second term	ELTR 1215 (Blueprint)	Exam 2A -average of 71% or better
5	Second term	ELTR 1210 (Theory 2)	Exam 2B -average of 71% or better
6	Second term	ELTR 1220 (Wiring Lab)	Exam 2C-average of 71% or better
7	Third term	ELTR 2005 (Theory)	Exam 3A -average of 71% or better
8	Third Term	ELTR 2020 (Motor Lab)	Exam 3B -average of 71% or better
9	Third Term	ELTR 2030 (Ind. Lab)	Exam 3C -average of 71% or better