

# COURSE OUTCOME MATRIX

## COURSE SYLLABUS

### PART 2 of 3

Course Number and Title	EG 298 Capstone
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Credit Hours	1
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Course Description	This course is designed to pull all aspects of the program together. Students will complete a portfolio of all work throughout the program as outlined in the assessment plan for formal evaluation. They will complete a customized project and be required to take a comprehensive exit exam.
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Prerequisite(s) and/or Corequisite(s)	EG 172 and the student must be a candidate for graduation. EG 297
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**Required Textbooks/References/Course Materials:**

Electrician's Exam Prep	2009	Charles R. Miller	Jones and Bartlett	0763751189
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	General Education Outcomes
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

	Program/Department Outcomes
1	Prepare students to become safe and competent electrical technicians.
2	Provide opportunities to display critical thinking skills.
3	Demonstrate responsible professional conduct and behavior.
4	Effectively communicate.
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	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program/Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Act with ethical, responsible, dependable behavior, and practice the need for lifelong learning.	A-Internalizing values (characterization) (5)	1, 2, 3, 4	1	1	1	1	1	0
2	Assist effectively employees and customers; write effective business documents.	A-Responding to Phenomena (2)	2, 3, 4	1	1	1	1	1	0
3	Act co-operatively with others.	A-Internalizing values (characterization) (5)	2, 3, 4	1	1	1	1	1	0
4	Describe a variety of electrical power systems; AC and DC circuit theory; electronic and telecommunication concepts.	C-Remembering (1)	1, 2, 4	1	1	1	1	1	0
5	Demonstrate electrical/electronic certification mastery through practice exams.	C-Applying (3)	1, 2	1	1	1	1	2	0
6	Demonstrate analog and digital circuit implementations.	C-Applying (3)	1, 2, 3, 4	1	1	1	2	1	0
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8									
9									
10									

**Bloom's Domain Legend**

C = Cognitive  
A = Affective  
P = Psychomotor

**General Education Outcome Legend**

2 = Included and Measurable  
1 = Introduced and/or Minimally Addressed and Not Measurable  
0 = Not included

Approved: May 2021  
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