	High School Graduation Years 2019, 2020 and 2021	
Unit/Standard Number	Electrical and Power Transmission Installers, Other CIP 46.0399 Task Grid	Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
	Secondary Competency Task List	
100	BASIC SAFETY	
101	Inspect and use personal protective equipment	
102	Identify causes of job site accidents.  RESERVED	
104	RESERVED	
105	Properly don fall protection	
106 107	Identify four classes of fire extinguishers  Confirm circuits are de-energized before working on them.	
108	Perform lockout/tagout.	
109 110	Inspect and use ladders Complete inheite hazard analysis form	
111	Complete jobsite hazard analysis form  Identify Arc-flash hazards and protection	
<b>200</b> 201	HAND TOOLS Use screwdrivers.	
202	Use pliers.	
203	Use keyhole/drywall saw.	
204	Use hydraulic knockout/punch tool. Use a tape measure.	
206	Use wire strippers.	
207	Use wire cutters. Use utility knife.	
209	Use torpedo level.	
210	Use a hammer.	
211	Use a conduit reamer. Use a hacksaw.	
213	Use a roto-split.	
214 215	Use adjustable or non adjustable wrenches.	
216	Use ratchet and sockets. Use nut drivers.	
<b>300</b> 301	POWER TOOLS RESERVED	
302	Use electric hammer drill.	
303	Use reciprocating saw.	
304 305	Use portable hand-held band saw. RESERVED	
306	Use a drill.	
307 308	RESERVED RESERVED	
309	RESERVED	
310	Use oscillating multi purpose tool.	
311	Use impact driver.	
400	BLUEPRINT READING	
401 402	Identify types of blueprint plans. Identify blueprint symbols.	
402	Interpret blueprint plans.	
404	RESERVED	
405 406	Develop electrical details on a residential blueprint.  Use a measuring tool to scale.	
	Coo a moderating tool to doubt.	
500	ANCHORS AND SUPPORTS	
501	Identify, select and install various types of anchors and supports.	
600	RESIDENTIAL CABLING TECHNOLOGY	
601 602	Install non-metallic (NM) Cable for connection to an electrical device.	
602	Install metal-clad cable (MC). RESERVED	
604	RESERVED	
605 606	Terminate a coaxial cable. RESERVED	
607	RESERVED	
608	RESERVED	

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609	Identify telecommunications cable types.	
610	Terminate an RJ45 connector.	
611	Install SE cable.	
	modified Codolo.	
700	SWITCHES AND RECEPTACLES CIRCUITS	
701	Install a duplex receptacle.	
702	Install a single pole switch.	
703	Install a 3-way switch.	
704	Install a 4-way switch.	
705	Install a split-wired duplex receptacle.	
706	Install a Ground Fault Circuit Interrupter (GFCI) Receptacle.	
707	Install an Arc-Fault Circuit Interrupter (AFCI).	
708	Install a time control switch.	
709	Install a range receptacle.	
710	Install a dryer receptacle.	
800	ENTUDEO	
801	FIXTURES Install surface-mounted lighting fixture.	
802	Install recessed lighting fixtures.	
803	Install a ceiling fan.	
804	Install LED lighting.	
805	Identify IC and non-IC recessed lighting fixtures.	
900	RACEWAYS	
	Install Electrical Metallic Tubing (EMT).	
902	Install Poly-Vinyl Chloride conduit (PVC).	
903	Identify surface metal and non-metal raceways (Wiremold).	
904	Identify flexible raceway.	
	RESERVED	
	RESERVED	
	RESERVED	
908	Bend a stub 90°.	
909	Bend an offset.	
910	Bend a back to back 90°.	
911 912	Cut, ream and deburr raceway systems.	
312	Install conductors in a raceway system.	
1000	WIRED DEVICES	
1001	Install a hard wired smoke detector.	
1002	Install door-bell system.	
1003	Trim out electrical devices.	
1004	Install an occupancy sensor.	
1005	Install a photocell.	
	TESTING EQUIPMENT	
	Use a multimeter.	
	Use a continuity tester.	
	Use a plug-in circuit tester.	
1104	Use a clamp-on ammeter. RESERVED	
	Use a circuit tracer.	
1107	Use a network cable tester.	
	Apply Ohm's/Watt's Law calculations to electrical applications.	
	Typey States Late administration to discussed applications.	
1200	ELECTRICAL SERVICE	
	Install an overhead service.	
	Identify parts of an underground service.	
1203	RESERVED	
1204	RESERVED	
	RESERVED	
1209	Identify types of safety disconnect switches.	
1210	Terminate a service panel/load center.	
4200	NATIONAL ELECTRICAL CORE	
	NATIONAL ELECTRICAL CODE	
	Identify the purpose of the National Electrical Code (NEC).	
	Use Chapter 9 Tables.	
	Use the NEC as a reference to questions and competencies that students perform for all electrical installations.  Identify the publisher of the National Electrical Code (NEC).	
	Identify the code cycle of the National Electrical Code (NEC).	
1305	Identify NFPA70E (Arc Flash).	
	Northly in this Exist Hadily.	
1400	GREEN TECHNOLOGY	
	Identify renewable energy sources.	
1401	identity renewable energy sources.	

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1402	Identify procedures for installing a wind turbine system.	
1403	RESERVED	
1404	Identify procedures for installing a solar energy source system.	
1405	RESERVED	
1406	RESERVED	
1407	Evaluate the demand and consumption of electrical energy.	

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