	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	
	BASIC SAFETY	
	Inspect and use personal protective equipment	
	Identify causes of job site accidents.	
103	RESERVED	
104	RESERVED	
	Properly don fall protection	
	Identify four classes of fire extinguishers	
	Confirm circuits are de-energized before working on them.	
	Perform lockout/tagout.	
	Inspect and use ladders	
	Complete jobsite hazard analysis form	
111	Identify Arc-flash hazards and protection	
200	HAND TOOLS	
	Use screwdrivers.	
	Use pliers.	
	Use keyhole/drywall saw.	
	Use hydraulic knockout/punch tool.	
	Use a tape measure.	
	Use wire strippers.	
	Use wire cutters.	
	Use utility knife.	
	Use torpedo level.	
	Use a hammer.	
	Use a conduit reamer.	
	Use a hacksaw.	
	Use a roto-split.	
	Use adjustable or non adjustable wrenches.	
	Use ratchet and sockets.	
	Use nut drivers.	
300	POWER TOOLS	
301	RESERVED	
	Use electric hammer drill.	
303	Use reciprocating saw.	

andard Number	High School Graduation Years 2019, 2020 and 2021 Electrical and Power Transmission Installers, Other CIP 46.0399	Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry
Unit/Standard	Task Grid	Proficiency Level
304	Use portable hand-held band saw.	
305	RESERVED	
	Use a drill.	
	RESERVED	
	RESERVED	
	RESERVED	
	Use oscillating multi purpose tool.	
311	Use impact driver.	
400	BLUEPRINT READING	
	Identify types of blueprint plans.	
402	Identify blueprint symbols.	
	Interpret blueprint plans.	
404	RESERVED	
405	Develop electrical details on a residential blueprint.	
406	Use a measuring tool to scale.	
500	ANCHORS AND SUPPORTS	
	Identify, select and install various types of anchors and supports.	
	The state of the s	
600	RESIDENTIAL CABLING TECHNOLOGY	
601	Install non-metallic (NM) Cable for connection to an electrical device.	
	Install metal-clad cable (MC).	
	RESERVED	
	RESERVED	
	Terminate a coaxial cable.	
	RESERVED	
	RESERVED	
	RESERVED	
609	Identify telecommunications cable types.	
610	Terminate an RJ45 connector.	
611	Install SE cable.	
700	SWITCHES AND RECEPTACLES CIRCUITS	
700	Install a duplex receptacle.	
701	Install a single pole switch.	
	Install a 3-way switch.	
700	iniotali a o-way ownori.	

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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).	
	Install a time control switch.	
	Install a range receptacle.	
710	Install a dryer receptacle.	
	FIXTURES	
	Install surface-mounted lighting fixture.	
	Install recessed lighting fixtures.	
	Install a ceiling fan.	
	Install LED lighting.	
805	Identify IC and non-IC recessed lighting fixtures.	
900	RACEWAYS	
	Install Electrical Metallic Tubing (EMT).	
	Install Poly-Vinyl Chloride conduit (PVC).	
	Identify surface metal and non-metal raceways (Wiremold).	
904	Identify flexible raceway.	
	RESERVED	
906	RESERVED	
	RESERVED	
	Bend a stub 90°.	
	Bend an offset.	
	Bend a back to back 90°.	
	Cut, ream and deburr raceway systems.	
912	Install conductors in a raceway system.	
4600	MIDED DEVICES	
	WIRED DEVICES	
	Install a hard wired smoke detector.	
	Install door-bell system. Trim out electrical devices	
	Trim out electrical devices.	
	Install an occupancy sensor. Install a photocell.	
1005	пізан а ріюносен.	
1100	TESTING EQUIPMENT	
1100	I EO I II O E AÇO II META I	

_	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
1101	Use a multimeter.	
	Use a continuity tester.	
	Use a plug-in circuit tester.	
	Use a clamp-on ammeter.	
	RESERVED	
	Use a circuit tracer.	
	Use a network cable tester.	
1108	Apply Ohm's/Watt's Law calculations to electrical applications.	
1200	ELECTRICAL SERVICE	
1201	Install an overhead service.	
	Identify parts of an underground service.	
1203	RESERVED	
	RESERVED	
1205	RESERVED	
	RESERVED	
	RESERVED	
1208	RESERVED	
1209	Identify types of safety disconnect switches.	
1210	Terminate a service panel/load center.	
1000	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).	
1306	Identify NFPA70E (Arc Flash).	
1400	GREEN TECHNOLOGY	
	Identify renewable energy sources.	
	Identify procedures for installing a wind turbine system.	
	RESERVED	
	Identify procedures for installing a solar energy source system.	
	RESERVED	
	RESERVED	
	Evaluate the demand and consumption of electrical energy.	