

NAME: _____

I.D.# _____

2009-10
INDUSTRIAL ELECTRICIAN
Certificate

Industrial Electricians are prepared to troubleshoot and maintain electrical devices used in a manufacturing industry; install electrical machines and wiring; and wire electrical panels.

PROGRAM REQUIREMENTS (35 credits)

- _____ AMATH 101 2 cr Algebra for the Skilled Trades (Prereq. AMATH 100)
- _____ ELECT 100 2 cr Electrical Wiring I [was APPIE 100]
- _____ ELECT 101 2 cr Fundamentals of Electricity I [was APPIE 101]
- _____ ELECT 103 2 cr Alternating Current (Prereq. ELECT 101; AMATH 101 or equivalent recommended) [was APPIE 103]
- _____ ELECT 106 2 cr DC Motors and Generators (Prereq. ELECT 101) [was APPIE 106]
- _____ ELECT 107 2 cr AC Motors and Generators (Prereq. ELECT 103 or 104) [was APPIE 107]
- _____ ELECT 108 2 cr Electrical Controls for Machines I (Prereq. ELECT 101) [was APPIE 108]
- _____ ELECT 109 2 cr Electric Controls for Machines II (Prereq. ELECT 101) [was APPIE 109]
- _____ ELECT 113 2 cr Blueprint Reading for Electricians [was APPIE 113]
- _____ ELECT 114 2 cr National Electrical Code [was APPIE 114]
- _____ ELECT 203 2 cr Industrial Electronics I (Prereq. ELECT 101 & 112) [was APPIE 203]
- _____ ELECT 204 2 cr Industrial Electronics II (Prereq. ELECT 101 & 203) [was APPIE 204]
- _____ ELECT 208 2 cr Programmable Logic Controllers I [was APPIE 208]
- _____ ELECTIVES 9 cr Electives -Select 8 credits from the courses listed below:
 - _____ ELECT 102 (2) Fundamentals of Electricity II (Prereq. ELECT 101; AMATH 101 or equivalent recommended) [was APPIE 102]
 - _____ ELECT 105 (2) Power, Trans, Polyphase Circuits (Prereq. ELECT 101) [was APPIE 105]
 - _____ ELECT 110 (2) DC Crane Control (Prereq. ELECT 101) [was APPIE 110]
 - _____ ELECT 111 (2) Electronic Principles I (Prereq. AMATH 101 or equivalent recommended) [was APPIE 111]
 - _____ ELECT 112 (2) Electronic Principles II (Prereq. ELECT 111) [was APPIE 112]
 - _____ ELECT 120 (2) Electrical Safety [was APPIE 120]
 - _____ ELECT 141 (2) Conduit Bending - Thinwall [was APPIE 141]
 - _____ ELECT 142 (2) Conduit Bending and Threading [was APPIE 142]
 - _____ ELECT 150 (2) Preventive Maintenance - Electrical [was APPIE 150]
 - _____ ELECT 160 (2) Electrical Wiring II (Prereq. ELECT 100) [was APPIE 160]
 - _____ ELECT 201 (2) Digital Fundamentals I [was APPIE 201]
 - _____ ELECT 202 (2) Digital Fundamentals II (Prereq. ELECT 201) [was APPIE 202]
 - _____ ELECT 206 (2) Instrumentation Fundamentals I (Prereq. ELECT 101) [was APPIE 206]
 - _____ ELECT 207 (2) Instrumentation Fundamentals II (Prereq. ELECT 206) [was APPIE 207]
 - _____ ELECT 209 (2) Program. Logic Controllers II (Prereq. ELECT 208) [was APPIE 209]
 - _____ ELECT 210 (2) Computer Use and Application [was APPIE 210]
 - _____ ELECT 220 (4) Programmable Logic Controllers [was APPIE 220]
 - _____ ELECT 290 (3) Special Topics in Elect. (Prereq. Consent of coordinator) [was APPIE 290]
 - _____ MATH 151 (4) College Algebra (Prereq. Math 095 and 096, both with a C or better; Math 095 and 1 year of HS geometry, both with a C or better; or qualifying scores on the Math Placement Test)
 - _____ MT 120 (2) Industrial Safety [was APPMT 120]
 - _____ PHYSI 120 (4) College Physics I (Prereq. MATH 151 or equivalent)
 - _____ TECH 109 (4) Technical Math I (Prereq. H.S. algebra with C or better)
 - _____ TECH 110 (4) Technical Math II (Prereq. TECH 109)
 - _____ TECH 221 (4) Technical Physics I (Prereq. TECH 109)

_____ Attained a minimum grade point average of 2.0 in the courses identified in this certificate program.

Current cumulative GPA: _____

_____ Completed a minimum of one-half of the credit hours required as a student at PSC.

- _____ Enrolled at PSC during the regular semester **immediately preceding** the awarding of the certificate.
_____ Filed a **Graduation Petition Form** with the Office of Admissions and Records.
_____ **Deadline for filing:** October 1 for Winter, March 1 for Spring, July 1 for Summer. (*December, May & August candidates may choose to participate in the annual May Commencement Ceremony. Deadline to apply for ceremony is March 1st*)

Credits Required: 35	Credits Completed: _____	Credits In Progress: _____	Credits Needed: _____
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Student Advised By: _____ **Date:** _____
SIGNATURE: Counselor or Advisor or Faculty Advisor

This is an UNOFFICIAL evaluation. Official Evaluations must be requested in the Office of Admissions

IMPORTANT PSC GRADUATION POLICIES

1. If the degree or certificate requirements are changed during your continuous attendance, you may elect to satisfy either the new requirements or the ones in force when you enrolled.
2. If you withdraw from Prairie State College for either a fall or spring semester, you must satisfy requirements in force at the time you re-enroll.
3. **Requests for COURSE SUBSTITUTIONS** in the program must be directed to the Program Coordinator. A Course Substitution Form must be signed by the Program Coordinator and submitted to the Office of Admissions and Records at least one semester prior to graduation.
4. Petitions for alteration of other graduation requirements must be submitted on a Student Appeal Form at least one semester prior to graduation.

DIVISION OF CAREER & TECHNICAL EDUCATION

Program Coord:		Room 3215	(708) 709-3655
	Electricity Lab	Room 3110, 3120	
Dept. Chair:	John Lim	Room T-145	(708) 709-3783 jlim@prairiestate.edu
	Lab	Room T-195	(708) 709-3736
Division Dean:		Room 2122	(708) 709-3689

CAREER PLANNING/PLACEMENT INFORMATION:

Occupational Outlook Handbook, U.S. Department of Labor: <http://www.bls.gov/oco/home.htm>

Employment opportunities: www.collegecentral.com/prairiestate