

NAME: \_\_\_\_\_

I.D.# \_\_\_\_\_

**2011-12**  
**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 (36-37 credits)**

- \_\_\_\_\_ 3-4 cr Select 3-4 hours from the following math courses:
- \_\_\_\_\_ AMATH 100 (2) Basic Mathematics for the Skilled Trades
  - \_\_\_\_\_ **AND** AMATH 101 (2) Algebra for the Skilled Trades *(Prereq. AMATH 100)*
  - \_\_\_\_\_ IT 106 (3) Mathematics for Computers *(Prereq. MATH 090 or qualifying score on Math Placement Test)*
  - \_\_\_\_\_ MATH 151 (4) College Algebra *(Prereq. MATH 095 with a C or better or qualifying score on Math Placement Test and MATH 096 with a C or better or one year of high school geometry with a C or better)*
  - \_\_\_\_\_ TECH 109 (4) Technical Mathematics I *(Prereq. high school algebra with a C or better)*
- \_\_\_\_\_ ELECT 100 2 cr Electrical Wiring I [was APPIE 100]
- \_\_\_\_\_ ELECT 101 2 cr Fundamentals of Electricity I [was APPIE 101]
- \_\_\_\_\_ ELECT 102 2 cr Fundamentals of Electricity II *(Prereq. ELECT 101; AMATH 101 or equivalent recommended)* [was APPIE 102]
- \_\_\_\_\_ 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 120 2 cr Electrical Safety [was APPIE 120]
- \_\_\_\_\_ 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 5 cr Electives -Select 5 credits from the courses listed below:
- \_\_\_\_\_ 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 141 (2) Conduit Bending - Thinwall [was APPIE 141]
  - \_\_\_\_\_ ELECT 201 (2) Digital Fundamentals I *(Prereq. ELECT 111)* [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 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)*

\_\_\_\_\_ 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.

\_\_\_\_\_ Filed a **Graduation Petition Form** with the Office of Enrollment Services.

**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 1<sup>st</sup>)*

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<b>Credits Required: 36-37</b>	<b>Credits Completed:</b> _____	<b>Credits In Progress:</b> _____	<b>Credits Needed:</b> _____
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Student Advised By: \_\_\_\_\_  
SIGNATURE: Counselor or Advisor or Faculty Advisor

Date: \_\_\_\_\_

**This is an UNOFFICIAL evaluation. Official Evaluations must be requested in the Office of Enrollment Services.**

**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 Enrollment Services 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.

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**DIVISION OF CAREER & TECHNICAL EDUCATION**

<b>Program Coord:</b>	Gerogia Karras Electricity Lab	Room 2185 Room 3120	(708) 709-3655	<a href="mailto:gkarras@prairiestate.edu">gkarras@prairiestate.edu</a>
<b>Dept. Chair:</b>	Tom Michalak	Room T-145	(708) 709-7807	<a href="mailto:tmichalak@prairiestate.edu">tmichalak@prairiestate.edu</a>
<b>Division Dean:</b>	Marie Hansel	Room 2241	(708) 709-3648	<a href="mailto:mhansel@prairiestate.edu">mhansel@prairiestate.edu</a>

**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](http://www.collegecentral.com/prairiestate)