

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

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

**2010-11**  
**INDUSTRIAL ELECTRICIAN**  
**Associate in Applied Science Degree**

The industrial electrician degree program prepares students for work as electricians in industry. To meet the demands of changing technology, training encompasses electronics as well as electrician skills. Students pursuing the A.A.S. degree on a full-time schedule will be prepared for entry-level positions as industrial electricians. This training has been approved by the United States Bureau of Apprenticeship Training.

**GENERAL EDUCATION CORE (18-19 credits)**

**Area A: Communication (6 credits)**

- |       |          |      |                                                                                                    |
|-------|----------|------|----------------------------------------------------------------------------------------------------|
| _____ | ENG 101  | 3 cr | Composition I - grade of C or better. (Prereq. English Placement Test or ENG 099 with C or better) |
| _____ | COMM 101 | 3 cr | Principles of Communication (Prereq. Placement in ENG 099 or above)                                |

**Area B: Humanities and Fine Arts (3 credits)**

- |       |       |      |                                                                                                                                                                                                                        |
|-------|-------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _____ | _____ | 3 cr | Select one course from: ART 121, 122, 126, 129, 131; ENG 211, 212, 215, 221, 231, 232, 240, 243, 252, 256, 261, 262, 271; HUMAN 101, 102, 201, 202; MUSIC 130, 132; PHILO 201, 202, 203, 204, 205; SPAN 202; THTR 101. |
|-------|-------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Area C: Mathematics (2 credits)**

- |       |           |      |                                                    |
|-------|-----------|------|----------------------------------------------------|
| _____ | AMATH 101 | 2 cr | Algebra for the Skilled Trades (Prereq. AMATH 100) |
|-------|-----------|------|----------------------------------------------------|

**Area D: Physical and Life Sciences (4-5 credits)**

- |       |       |        |                                                                       |
|-------|-------|--------|-----------------------------------------------------------------------|
| _____ | _____ | 4-5 cr | Select one course from: CHEM 105, 110; PHYS 111; PHYSI 101, 120, 210. |
|-------|-------|--------|-----------------------------------------------------------------------|

**Area E: Social and Behavioral Science (3 credits)**

- |       |       |      |                                                                                                                                                                                                       |
|-------|-------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _____ | _____ | 3 cr | Select one course from: ANTHR 215, 222; ECON 201, 202; GEOG 101; HIST 111, 112, 115, 116, 140, 151, 152, 201, 202; POLSC 101, 140, 152, 230, 240; PSYCH 101, 102, 215; SOCIO 101, 111, 210, 215, 220. |
|-------|-------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**PROGRAM REQUIREMENTS (47 credits)**

- |       |           |       |                                                                                                                                                                                                                                                                         |
|-------|-----------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _____ | 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 105 | 2 cr  | Power, Transformers, Polyphase Circuits (Prereq. ELECT 101) [was APPIE 105]                                                                                                                                                                                             |
| _____ | 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 111 | 2 cr  | Electronic Principles I (Prereq. AMATH 101 or equivalent recommended) [was APPIE 111]                                                                                                                                                                                   |
| _____ | ELECT 112 | 2 cr  | Electronic Principles II (Prereq. ELECT 111) [was APPIE 112]                                                                                                                                                                                                            |
| _____ | 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]                                                                                                                                                                                                                        |
| _____ | ELECT 209 | 2 cr  | Programmable Logic Controllers II (Prereq. ELECT 208) [was APPIE 209]                                                                                                                                                                                                   |
| _____ | ELECT 298 | 1 cr  | Electrical Seminar (Prereq. Completion of 24 credits of ELECT & consent of Coord) [was APPIE 298]                                                                                                                                                                       |
| _____ | ELECT 299 | 2 cr  | Electrical Internship (Prereq. Completion of 24 credits of ELECT & consent of Coord) [was APPIE 299]                                                                                                                                                                    |
| _____ | ELECTIVES | 10 cr | Electives - Select 10 credits from the courses listed below:<br>_____ ELECT 141 (2) Conduit Bending - Thinwall [was APPIE 141]<br>_____ ELECT 150 (2) Preventive Maintenance - Electrical [was APPIE 150]<br>_____ 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 290 (3) Special Topics in Electricity (Prereq. Consent of Coord) [was APPIE 290]
- \_\_\_ MATH 151 (4) College Algebra (Prereq. Math 095 and 096, both with a C or better; Match 095 and 1 year of HS geometry, both with a C or better; or qualifying scores on the Math Placement Test)
- \_\_\_ PHYSI 130 (4) College Physics II (Prereq. PHYSI 120 or equivalent)

**PROGRAM TOTAL (64-65 credits)**

- \_\_\_ Enrolled at PSC for **two semesters immediately preceding** graduation.
  - \_\_\_ Successfully completed at least 15 semester hours of credit at PSC (excluding proficiency credits).
  - \_\_\_ Attained a minimum gpa of 2.0 in all PSC courses. **Current cumulative GPA:** \_\_\_\_\_
  - \_\_\_ Filed appropriate evidence of high school graduation or GED certificate with the Office of Enrollment Services.
  - \_\_\_ 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>).

	Required	Completed	In Progress	Needed
<b>General Education Core:</b>	17-18 credits	_____	_____	_____
<b>Program Core Requirements:</b>	47 credits	_____	_____	_____
<b>TOTAL CREDITS:</b>	64-65 credits	_____	_____	_____

**Advised By:** \_\_\_\_\_ **Date:** \_\_\_\_\_

*SIGNATURE: Counselor or Advisor or Faculty Advisor*

**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.

**DIVISION OF CAREER & TECHNICAL EDUCATION**

<b>Program Coord:</b>	Georgia Karras Electricity Lab	Room 2185 Room 3110, 3120	(708) 709-3598	<a href="mailto:gkarras@prairiestate.edu">gkarras@prairiestate.edu</a>
<b>Dept. Chair:</b>	John Lim Lab	Room T-145 Room T-195	(708) 709-3783 (708) 709-3736	<a href="mailto:jlim@prairiestate.edu">jlim@prairiestate.edu</a>
<b>Division Dean:</b>		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](http://www.collegecentral.com/prairiestate)