

NAME: _____

I.D.#: _____

2009-10
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 (17-18 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; THRE 101.

Area C: Mathematics (2 credits)

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

Area D: Physical and Life Sciences (3-4 credits)

_____ _____ 3-4 cr Select one course from: ASTRO 101, 104; BIOL 100, 103, 105, 106, 112; CHEM 105, 110; GEOG 105; GEOLO 101; METEO 150; PHYSC 111, 112; 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 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 220 (4) Programmable Logic Controllers may be taken in place of ELECT 208 & 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:
_____ ELECT 110 (2) DC Crane Control (Prereq. ELECT 101) [was APPIE 110]
_____ 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 210 (2) Computer Use and Application [was APPIE 210]
- ___ ELECT 290 (3) Special Topics in Electricity (Prereq. Consent of Coord) [was APPIE 290]
- ___ HVACR 107 (2) Electrical Control Applications
- ___ HVACR 108 (2) Advanced Controls (Prereq. HVACR 108)
- ___ 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)
- ___ MT 120 (2) Industrial Safety [was APPMT 120]
- ___ MT 212 (3) Introduction to Robotics
- ___ 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)

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 Admissions.
- ___ Satisfied U.S. & Illinois Constitution requirements by submitting a high school transcript proving test was successfully completed in high school, or by taking POLSC 140 or 152, or a proficiency exam.
- ___ 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).

	Required	Completed	In Progress	Needed
General Education Core:	17-18 credits	_____	_____	_____
Program Core Requirements:	47 credits	_____	_____	_____
TOTAL CREDITS:	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 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