

NAME: _____

I.D.#: _____

2011-12
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 (19-21 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; THTRE 101.

Area C: Mathematics (3-4 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)

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	8 cr	Electives - Select 8 credits from the courses listed below:
___	ELECT 141 (2)		Conduit Bending - Thinwall [was APPIE 141]
___	ELECT 150 (2)		Preventive Maintenance - Electrical [was APPIE 150]
___	ELECT 160 (2)		Electrical Wiring II (Prereq. ELECT 100)
___	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 230 (2)		Alternative Small Energy Systems (Prereq. ELECT 105 & 106)
___	ELECT 290 (3)		Special Topics in Electricity (Prereq. Consent of Coord) [was APPIE 290]
___	PHYSI 130 (4)		College Physics II (Prereq. PHYSI 120 or equivalent)

PROGRAM TOTAL (66-68 credits)

- _____ 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 1st).

	Required	Completed	In Progress	Needed
General Education Core:	19-21 credits	_____	_____	_____
Program Core Requirements:	47 credits	_____	_____	_____
TOTAL CREDITS:	66-68 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 AND TECHNICAL EDUCATION

Program Coord:	Georgia Karras	Room 2185	(708) 709-3598	gkarras@prairiestate.edu
	Electricity Lab	Room 3110, 3120		
Dept. Chair:	Tom Michalak	Room T-145	(708) 709-7807	tmichalak@prairiestate.edu
Division Dean:	Marie Hansel	Room 2241	(708) 709-3648	mhansel@prairiestate.edu

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