Electrical Systems Technology Certificates

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Program A35130

Basic Wiring - C3513001

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112 or ELC-131	DC/AC ELECTRICITY or CIRCUIT ANALYSIS I	3 3	6 3	5 4
ELC-113	RESIDENTIAL WIRING	2	6	4
ELC-114	COMMERCIAL WIRING	2	6	4
ELC-118 or ELC-119	NATIONAL ELECTRIC CODE or NEC CALCULATIONS	1 1	2 2	2 2

Programmable Logic Controllers - C3513002

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112 or ELC-131	DC/AC ELECTRICITY CIRCUIT ANALYSIS I	3 3	6 3	5 4
ELC-128	INTRO TO PLC	2	3	3
ELC-228	PLC APPLICATIONS	2	6	4
ELC-213	INSTRUMENTATION	3	2	4

Industrial Controls - C3513003

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112 or ELC-131	DC/AC ELECTRICITY CIRCUIT ANALYSIS I	3 3	6 3	5 4
ELC-117	MOTORS AND CONTROLS	2	6	4
ELC-128	INTRO TO PLC	2	3	3
ELC-121	ELECTRICAL ESTIMATING	1	2	2

Photovoltaic Systems - C3513004

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112 or ELC-131	DC/AC ELECTRICITY CIRCUIT ANALYSIS I	3 3	6 3	5 4
ELC-114	COMMERCIAL WIRING	2	6	4
ELC-118 or ELC-119	NATIONAL ELECTRICAL CODE or NEC CALCULATIONS	1 1	2 2	2 2
ELC-220	PHOTOVOLTAIC SYS TECH	2	3	3

Commercial Wiring - 3513005

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
BPR-130	PRINT READING- CONSTRUCTION	3	0	3
ELC-113	RESIDENTIAL WIRING	2	6	4
ELC-114	COMMERCIAL WIRING	2	6	4
ELC-118	NATIONAL ELECTRIC CODE	1	2	2

Industrial Wiring - C3513006

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112	DC/AC ELECTRICITY	3	6	5
ELC-117	MOTORS and CONTROLS	2	6	4
ELC-121	ELECTRICAL ESTIMATING	1	2	2
ISC-115	CONSTRUCTION SAFETY	2	0	2

Controls Systems - C3513007

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-117	MOTORS AND CONTROLS	2	6	4
ELC-213	INSTRUMENTATION	3	2	4
HYD-110	HYDRAULICS/ PNEUMATICS I	2	3	3
MEC-130	MECHANISMS	2	2	3

Intro to Electrical - C3513008

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112	DC/AC ELECTRICITY	3	6	5
ELC-113	RESIDENTIAL WIRING	2	6	4
ELC-118	NATIONAL ELECTRICAL	1	2	2
ISC-115	CONSTRUCTION SAFETY	2	0	2

Intermediate Electrical - C3513009

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
BPR-130	PRINT READING- CONSTRUCTION	3	0	3
ELC-114	COMMERCIAL WIRING	2	6	4
ELC-117	MOTORS and CONTROLS	2	6	4
ISC-115	CONSTRUCTION SAFETY	2	0	2

Intro to Industry - 3513010				
Course	**Title**	**Class Hrs**	**Lab Hrs**	**Credit Hrs**
ELC-117	MOTORS and CONTROLS	2	6	4
ELC-128	INTRO TO PLC	2	3	3
ELC-213	INSTRUMENTATION	3	2	4
MEC-130	MECHANISMS	2	2	3

Below are the Technical Academy certificates we created for the CCP pathway; they are identical to the following parent certificates:
C35130H5 = 3513005 Commercial Wiring Certificate
C35130H6 = 3513006 Industrial Wiring Certificate

PCS Technical - C35130H5				
Course	**Title**	**Class Hrs**	**Lab Hrs**	**Credit Hrs**
BPR-130	PRINT READING- CONSTRUCTION	3	0	3
ELC-113	RESIDENTIAL WIRING	2	6	4
ELC-114	COMMERCIAL WIRING	2	6	4
ELC-118	NATIONAL ELECTRIC CODE	1	2	2

PCS Technical - C35130H6				
Course	**Title**	**Class Hrs**	**Lab Hrs**	**Credit Hrs**
ELC-112	DC/AC ELECTRICITY	3	6	5
ELC-117	MOTORS and CONTROLS	2	6	4
ELC-121	ELECTRICAL ESTIMATING	1	2	2
ISC-115	CONSTRUCTION SAFETY	2	0	2