

Electrical Systems Technology Certificates

Department Chair - Dennis Marshall dmarshall@email.pittcc.edu - 252-493-7743

Program A35130

Basic Wiring - C3513001				
Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112 or ELC-131	DC/AC ELECTRICITY CIRCUIT ANALYSIS I	3	6	5
		3	3	4
ELC-113	RESIDENTIAL WIRING	2	6	4
ELC-114	COMMERCIAL WIRING	2	6	4
ELC-118 or ELC-119	NATIONAL ELECTRIC CODE NEC CALCULATIONS	1	2	2
		1	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	6	5
		3	3	4
ELC-128	INTRO TO PLC	2	3	3
ELC-228	PLC APPLICATIONS	2	6	4
ELN-133 or ELN-229	DIGITAL ELECTRONICS INDUSTRIAL ELECTRONICS	3	3	4
		3	3	4

Industrial Controls - C3513003				
Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112 or ELC-131	DC/AC ELECTRICITY CIRCUIT ANALYSIS I	3	6	5
		3	3	4
ELC-117	MOTORS AND CONTROLS	2	6	4
ELC-125	DIAGRAMS & SCHEMATICS	1	2	2
ELC-128	INTRO TO PLC	2	3	3

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 NEC CALCULATIONS	1 1	2 2	2 2
ELC-220	PHOTOVOLTAIC SYS TECH	2	3	3

Commercial Wiring - C3513005

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 ELECTRICAL CODE	1	2	2

Industrial Wiring - C3513006

Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112	DC/AC ELECTRICITY	3	6	5
ELC-115	INDUSTRIAL WIRING	2	6	4
ELC-125	DIAGRAMS & SCHEMATICS	1	2	2
ISC-115	CONSTRUCTION SAFETY	2	0	2

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CCP Pathway Certificates

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PCS Technical Commercial Wiring - 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 ELECTRICAL CODE	1	2	2

PCS Technical Industrial Wiring - C35130H6				
Course	Title	Class Hrs	Lab Hrs	Credit Hrs
ELC-112	DC/AC ELECTRICITY	3	6	5
ELC-115	INDUSTRIAL WIRING	2	6	4
ELC-125	DIAGRAMS & SCHEMATICS	1	2	2
ISC-115	CONSTRUCTION SAFETY	2	0	2

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ELC Semester Breakdown

ELC I	Class	Title	Credit Hrs	Contact Hrs
	ELC-113	Residential Wiring	4	8
	ELC 118	Intro to NEC	2	3
	Total Semester Hours		6	11
ELC II				
	ELC 114	Commercial Wiring	4	8
	BPR 130	Print Reading Const	3	3
	Total Semester Hours		7	11
		Certificate Hours	13	22
ELC III	C35130H5 Electrical Systems Technology Pathway - Commercial Wiring			
	ELC 112	AC/DC Electricity	5	9
	ISC 115	Construction Safety	2	2
	Total Semester Hours		7	11
ELC IV				
	ELC 115	Industrial Wiring	4	8
	ELC 125	Diagrams & Schematics	2	3
	Total Semester Hours		6	11
		Certificate Hours	13	22
	C35130H6 Electrical Systems Technology Pathway - Industrial Wiring			
		Total Hours	26	44