

Academic Program Map

Isothermal Community College

Program: Electrical System Technology

Career Cluster(s): Industry

Fall 1

Term	Course ID	Course Name	Credits
1st 8 Weeks	ACA 122	College Transfer Success	1
2nd 8 Weeks	MAT 110	Mathematical Measurement and Literacy	3
16 Weeks	ELC 112	DC/AC Electricity	5
16 Weeks	ELC 113	Residential Wiring	4
16 Weeks	ELC 118	National Electrical Code	2

Semester Total: 15 Credits

Spring 1

Term	Course ID	Course Name	Credits
16 Weeks	ELC 114	Commercial Wiring	4
16 Weeks	ELC 117	Motors and Controls	4
16 Weeks	ELC 119	NEC Calculations	2
16 Weeks	ELC 135	Electrical Machines	3

Semester Total: 13 Credits

Summer 1

Term	Course ID	Course Name	Credits
1st 8 Weeks	ENG 111	Writing and Inquiry	3
10 Weeks	ELC 115	Industrial Wiring	4
10 Weeks	ELN 231	Industrial Controls	3

Semester Total: 10 Credits

Fall 2

Term	Course ID	Course Name	Credits
1st 8 Weeks	HUM 115	Critical Thinking	3
1st 8 Weeks	CIS 110	Introduction to Computers	3
2nd 8 Weeks	COM 231	Public Speaking	3

Term	Course ID	Course Name	Credits
16 Weeks	ELC 220	Photovoltaic System Technology	3

Semester Total: 12 Credits

Spring 2

Term	Course ID	Course Name	Credits
1st 8 Weeks	PSY 150	General Psychology	3
16 Weeks	ELC 134	Transformer Applications	2
16 Weeks	ELC 128	Introduction to Programmable Logic Controller	3
16 Weeks	ELC 228	Programmable Logic Controllers Applications	4
16 Weeks	ELC 132	Electrical Drawings	2

Semester Total: 14 Credits