

Academic Program Map

Isothermal Community College

Program: Electrical Systems Technology (Diploma)

Career Cluster(s): Industry

Fall 1

Term	Course ID	Course Name	Credits
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: 14 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
1st 8 Weeks	CIS 110	Introduction to Computers	3
10 Weeks	ELC 115	Industrial Wiring	4
10 Weeks	ELN 231	Industrial Controls	3
			Semester Total: 13 Credits