

Academic Program Map

Isothermal Community College

Program: Industrial Systems Technology

Career Cluster(s): Industry

Fall 1

Term	Course ID	Course Name	Credits
1st 8 Weeks	ACA 122	College Transfer Success	1
1st 8 Weeks	MAT 110	Mathematical Measurement and Literacy	3
1st 8 Weeks	BPR 130	Print Reading-Construction	3
2nd 8 Weeks	BPR 111	Print Reading	2
2nd 8 Weeks	MNT 222	Industrial Systems Schematics	2
16 Weeks	MAC 141	Machining Applications I	4
16 Weeks	MAC 141A	MacHining Applications I Lab	2

Semester Total: 17 Credits

Spring 1

Term	Course ID	Course Name	Credits
1st 8 Weeks	ENG 111	Writing and Inquiry	3
1st 8 Weeks	HYD 110	Hydraulics/Pneumatics I	3
2nd 8 Weeks	COM 231	Public Speaking	3
16 Weeks	ISC 121	Environmental Health & Safety	3
16 Weeks	MAC 142	Machining Applications II	4
16 Weeks	MAC 142A	Machining Applications II Lab	2

Semester Total: 18 Credits

Summer 1

Term	Course ID	Course Name	Credits
1st 8 Weeks	WLD 112	Basic Welding Processes	2
1st 8 Weeks	MNT 110	Introduction to Maintenance Procedures	2
10 Weeks	ELC 115	Industrial Wiring	4

Semester Total: 8 Credits

Fall 2

Term	Course ID	Course Name	Credits
1st 8 Weeks	PLU 115	Basic Plumbing	4
2nd 8 Weeks	PLU 211	Commercial/Ind Plumbing	3
16 Weeks	ELC 112	DC/AC Electricity	5
16 Weeks	ELC 113	Residential Wiring	4

Semester Total: 16 Credits**Spring 2**

Term	Course ID	Course Name	Credits
1st 8 Weeks	ELC 128	Introduction to Programmable Logic Controller	3
1st 8 Weeks	ELC 114	Commercial Wiring	4
2nd 8 Weeks	HUM 115	Critical Thinking	3
2nd 8 Weeks	PSY 150	General Psychology	3
16 Weeks	ELC 117	Motors and Controls	4

Semester Total: 17 Credits