

# 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
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: 14 Credits**

## Spring 1

Term	Course ID	Course Name	Credits
1st 8 Weeks	ENG 111	Writing and Inquiry	3
1st 8 Weeks	BPR 130	Print Reading-Construction	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
1st 8 Weeks	HYD 110	Hydraulics/Pneumatics I	3
1st 8 Weeks	PSY 150	General Psychology	3

**Semester Total: 10 Credits**

**Fall 2**

<b>Term</b>	<b>Course ID</b>	<b>Course Name</b>	<b>Credits</b>
1st 8 Weeks	PLU 115	Basic Plumbing	4
2nd 8 Weeks	WLD 110	Cutting Processes	2
2nd 8 Weeks	PLU 211	Commercial/Ind Plumbing	3
16 Weeks	ELC 112	DC/AC Electricity	5

**Semester Total: 14 Credits****Spring 2**

<b>Term</b>	<b>Course ID</b>	<b>Course Name</b>	<b>Credits</b>
1st 8 Weeks	WLD 121	GMAW (MIG) FCAW/Plate	4
1st 8 Weeks	WLD 131	GTAW (TIG) Plate	4
1st 8 Weeks	ELC 128	Introduction to Programmable Logic Controller	3
2nd 8 Weeks	HUM 115	Critical Thinking	3
2nd 8 Weeks	WLD 116	SMAW (stick) Plate/Pipe	4

**Semester Total: 18 Credits**