Alamance Community College
2021 Calendar Year

Industrial System Technology · Semester by Semester

First Year
Fall 1st Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
ELC-112	DC/AC Electricity	9	5
ELC-120	Introduction to Wiring	4	3
ELC-128	Introduction to Programmable Logic Controller	5	3
MEC-130	Mechanisms	4	3
	Semester Total	22	14

First Year
Spring 2nd Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
BPR-135	Schematics & Diagrams	2	2
CIS-111	Basic PC Literacy	3	2
ELC-228	Programmable Logic Controllers Applications	8	4
HYD-110	Hydraulics/Pneumatics I	5	3
MNT-110	Introduction to Maintenance Procedures	4	2
	Semester Total	22	13

First Year
Summer 3rd Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS

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ELC-117	Motors and Controls	8	4
WLD-112	Basic Welding Processes	4	2
	Semester Total	12	6

Second Year

Fall 4th Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
ISC-112	Industrial Safety	2	2
MNT-250	PLC Interfacing	6	4
PLU-111	Intro to Basic Plumbing	4	2
	Semester Total	12	8

Second Year

Spring 5th Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
EGR-285	Design Project	4	2
MEC-111	Machine Processes I	5	3
WLD-111	Oxy-Fuel Welding	4	2
	Social/Behavioral Sciences Elective	3	3
	Semester Total	16	10

Second Year

Summer 6th Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
ENG-115	Oral Communication	3	3
	Humanities/Fine Arts Elective	3	3
	Semester Total	6	6

	TOTAL CREDITS	57	