

# 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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COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
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
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