Alamance Community College

2021 Calendar Year

Industrial Systems Technology Basic Certificate

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

Industrial Systems Electrical Certificate

Course Number	Course TITLE	Contact Hours	Credit Hours
BPR-135	Schematics & Diagrams	2	2
ELC-112	DC/AC Electricity	9	5
ELC-117	Motors and Controls	8	4
ELC-120	Introduction to Wiring	4	3
	Semester Total	23	14

Industrial Systems Mechanical Certificate

Course Number	Course TITLE	Contact Hours	Credit Hours
HYD-110	Hydraulics/Pneumatics I	5	3
MEC-111	Machine Processes I	5	3
MNT-110	Introduction to Maintenance Procedures	4	2
WLD-111	Oxy-Fuel Welding	4	2
WLD-112	Basic Welding Processes	4	2
	Semester Total	**22**	**12**

Industrial Systems Technology/Controls Certificate

Course Number	Course TITLE	Contact Hours	Credit Hours
ELC-112	DC/AC Electricity	9	5
ELC-117	Motors and Controls	8	4
ELC-128	Introduction to Programmable Logic Controller	5	3
ELC-228	Programmable Logic Controllers Applications	8	4
	Semester Total	**30**	**16**