

ELECTRICAL AND INSTRUMENTATION CERTIFICATE 30628

Course	Requirement Field	Credits	Notes
Fall - 1st Semester			
BUS 111 Business Mathematical Calculations	Curriculum Required and GE	3 to 5	Fall or Spring
OR MAT 100 Applied Mathematics or higher			
ELT 110 Electricity and Electronics	Curriculum Required	3	Fall only
ELT 111 DC Electrical Systems	Curriculum Required	3	Fall only Class taught 1 st 8 weeks
ELT 112 AC Electrical Systems	Curriculum Required	3	Fall only Class taught 2 nd 8 weeks
TEC 112 Basic Hydraulics and Pneumatics	Curriculum Required	2	Fall only
TEC 133 Safety Practices for Industry	Curriculum Required	1	Fall only
Total Hours		15-17	
Spring - 2nd Semester			
CMP 101 Intro to Computers OR	Curriculum Required and GE	3	Fall or Spring
CMP 103 Intro to Computer Based Systems			
ELT 115 Conduits and Raceways	Curriculum Required	3	Spring only
ELT 161 Process Measurement Instrumentation I	Curriculum Required	3	Spring only
ELT 171 Process Control Instrumentation	Curriculum Required	3	Spring only. Prerequisite ELT 161 or concurrent enrollment in ELT 161.
ELT 181 Electronic Components	Curriculum Required	3	Spring only. Prerequisite ELT 112 or instructor approval
ELT 251 National Electric Code	Curriculum Required	3	Spring only
Total Hours		18	
Total Hours		33	
Total Curriculum Required		33-35	

Notes: The foregoing is a recommended, or suggested, sequence of courses. Of course, if a student enters the program in the spring, or transfers credit in, the above would have to be modified.

All courses must be completed with a grade of "C" or better--Be sure to check the catalog for other changes and requirements.