



Electrical and Instrumentation Technician AAS – 20611
Recommended Course Sequencing – 2018-2019

Course	Requirement Filled	Cr	Notes
Fall - 1st Semester			
CMP 101 Introduction to Computers OR CMP 103 Intro to Computer Based Systems	GE	3	Fall or Spring
ELT 110 Electricity and Electronics	Curriculum Requirement	3	Fall only 1 st 8weeks
ELT 111 DC Systems	Curriculum Requirement	3	Fall only
ELT 112 AC Systems	Curriculum Requirement	3	Fall only
TEC 112 Basic Hydraulics &Pneumatics	Curriculum Requirement	2	Fall only
WLD 101 OR choose from any of the additional credits listed below	Additional Curriculum Requirement	2-3	
Total Hours		16-17	
Note: Any developmental courses, such as MAT 077-Elem. Alg., must be taken prior to enrolling in MAT 100 in the spring.			

Spring - 2nd Semester			
DRF 108 Technical Drafting OR choose from any of the additional credits listed below	Additional Curriculum Requirement	2	
ELT 115 Conduits and Raceways	Curriculum Requirement	2	Spring only
ELT 171 Process Control Instrumentation	Curriculum Requirement	3	Prerequisite ELT 161 Class held second 8 weeks
General Education Elective	GE	2	2 credits or more
MAT 100 Applied Mathematics or higher	GE	4	
Total Hours		16	

Fall - 3rd Semester			
DRF 154 AutoCad OR choose from any of the additional credits listed below	Additional Curriculum Requirement	2-3	
ELT 181 Electronic Components	Curriculum Requirement	3	Prerequisite ELT 112; Fall only
ELT 258 Electrical Troubleshooting	Curriculum Requirement	3	Prerequisite: ELT 112; Fall only class
ENG 100 OR ENG 101 Written Communications	GE	3	
Elective	Elective	3	
Total Hours		14-15	

Spring - 4th Semester			
ELT 162 Process Measurement Inst II	Curriculum Requirement	3	Prereq.: ELT 161; Spring only
ELT 271 Process Control and PLC's	Curriculum Requirement	3	Prereq.: ELT 171; Spring only
ELT 272 Motors and Motor Controls	Curriculum Requirement	3	Prerequisite: ELT 112; Spring only
Elective	Elective	3	
Gen Ed Elective	GE	3	
TEC 260 Technical Report Writing	GE	3	Prereq. ENG 100 OR ENG 101
Total Hours		18	

Total Hours	64
Total Curriculum Requirements	40
Total General Education	18

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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.

This degree dictates specific courses that must be taken as part to meet the General Education requirements. Consult your catalog. All courses must be completed with a grade of "C" or better--Be sure to check the catalog for other changes and requirements.

Additional Curriculum Credits:

Choose at least 6 additional credits from the following to obtain the 40 credits of Curriculum Requirements:

COE 111	Cooperative Education I <u>OR</u>	
TEC 191	Industry Internship I	1 to 4 credits
DRF 108	Technical Drafting	2 credits
DRF 154	Introduction to AutoCAD	2 to 3 credits
ELT 297	Workshop	1 to 6 credits
ELT 298	Workshop	1 to 3 credits
ELT299	Independent Study	1 to 3 credits
ELT 251	National Electric Code	2 credits
MIN 121	Surface Mine Safety Training	1 credit
TEC 116	Rigging	1 credit
TEC 133	Safety Practices for Industry	1 credit
WLD 101	Welding	2 to 3 credits