



Fall Term 1		Hours	Notes
17-19 credit hours			
•	ELT 183 Digital Circuits	3	
•	ELT 295 Apprenticeship: Electrical Instrumentation	3	Prerequisite: Program Admission.
1 st 8 weeks			
•	ELT 111 DC Electrical Systems	3	
•	MAT 100 Technical Mathematics <i>Recommended Mathematics</i>	3	Prerequisite: MAT 082 or a satisfactory score on the mathematics skills assessment.
•	MET 150 Surface Mine Safety Training	1	
2 nd 8 weeks			
•	ELT 112 AC Electrical Systems	3	Prerequisite: ELT 111 (may be taken concurrently)
•	AGS 101 Microcomputers in Agriculture OR CSA 126 Microsoft Office for Windows OR STU 100 Computer Literacy	1-3	
		Term hours subtotal:	17-19

Spring Term 1		Hours	Notes
17 credit hours			
•	ELT 126 Solid State Devices	3	Prerequisites: ELT 111 and ELT 112
•	ELT 295 Apprenticeship: Electrical Instrumentation	3	Prerequisite: Program Admission
1 st 8 weeks			
•	ELT 162 Microprocessors & Microcontrollers	2	Prerequisites: ELT 183
•	AIT 115 Hydraulic Systems	3	
•	MET 116 Rigging	1	
2 nd 8 weeks			
•	ELT 165 Programmable Logic Controllers	2	Prerequisite: ELT 101 or ELT 111
•	AIT 120 Pnuematic Systems	3	
		Term hours subtotal:	17

Summer Term 1		Hours	Notes
2 credit hours			
•	WLD 113 SMAW/GMAW Welding for Non-Welding Majors	2	
		Term hours subtotal:	2

Fall Term 2 <i>15 credit hours</i>		Hours	Notes
• ELT 221 Communications Systems and Circuits		3	Prerequisites: ELT 126 and ELT 162
• ELT 271 Process Control Instrumentation		3	Prerequisites: ELT 126
• ELT 295 Apprenticeship: Electrical Instrumentation		3	Prerequisite: Program Admission
1st 8 weeks			
• General Education Requirement		3	
2nd 8 weeks			
• General Education Requirement		3	
Term hours subtotal:		15	

Spring Term 2 <i>15 credit hours</i>		Hours	Notes
• ELT 258 Electronic Troubleshooting		2	Prerequisites: ELT 126 and ELT 162
• ELT 272 Motors and Motor Control		3	Prerequisite: ELT 126
• ELT 295 Apprenticeship: Electrical Instrumentation		3	Prerequisite: Program Admission
1st 8 weeks			
• General Education Requirement		4	
2nd 8 weeks			
• General Education Requirement		3	
Term hours subtotal:		15	

This recommended sequence is not a binding agreement of any kind between Yavapai College and the student, but merely represents a potential curriculum that may be altered as appropriate to meet the student's academic objectives. Course availability is subject to change and all courses are not available every semester. Students should inquire each semester with their Advisor before registering to determine current requirements and possible changes to the suggested curriculum.