



Fall Term 1		16 credit hours	Hours	Notes
Full Semester				
•	ELT 183 Digital Circuits		3	
•	ELT 295 Apprenticeship: Electrical Instrumentation		3	
•	MAT 100 Technical Math <small>Mathematics</small>		3	<b>Prerequisite:</b> MAT 082 or a satisfactory score on the mathematics skills assessment.
1 <sup>st</sup> 8 weeks				
•	ELT 111 DC Electrical Systems		3	
•	MET 150 Surface Mine Safety Training		1	<i>*Course begins earlier than established semester dates.</i>
2 <sup>nd</sup> 8 weeks				
•	ELT 112 AC Electrical Systems		3	<b>Prerequisite:</b> ELT 111
<b>Term hours subtotal:</b>			<b>16</b>	

Spring Term 1		15 credit hours	Hours	Notes
Full Semester				
•	ELT 126 Solid State Devices		3	<b>Prerequisite:</b> ELT 111 AND ELT 112
•	MET 160 Basic Machine Hydraulics & Pneumatics		2	
•	PSY 101 Introductory Psychology <b>OR</b> SOC 101 Introduction to Sociology <small>Arts and Humanities <b>OR</b> Social and Behavioral Science</small>		3	
•	ELT 295 Apprenticeship: Electrical Instrumentation		3	
1 <sup>st</sup> 8 weeks				
•	ELT 162 Microprocessors & Microcontrollers		2	<b>Prerequisite:</b> ELT 183
2 <sup>nd</sup> 8 weeks				
•	ELT 165 Programmable Logic Controllers		2	<b>Prerequisite:</b> ELT 101 OR ELT 111
<b>Term hours subtotal:</b>			<b>15</b>	

Summer Term 1		3 credit hours	Hours	Notes
•	AGS 101 Microcomputers in Agriculture <b>OR</b> CSA 126 Microsoft Office for Windows		3	
<b>Term hours subtotal:</b>			<b>3</b>	

Fall Term 2		17 credit hours	Hours	Notes
•	ELT 171 Process Control Instrumentation		3	<b>Prerequisite:</b> ELT 126
•	ELT 221 Communication Systems and Circuits		3	<b>Prerequisite:</b> ELT 126 AND ELT 162
•	ELT 295 Apprenticeship: Electrical Instrumentation		3	
•	ART 112 Two-Dimensional Design <small>Arts and Humanities <b>OR</b> Social and Behavioral Science</small>		3	<b>Prerequisite:</b> Reading Proficiency
•	ENG 136 Technical Writing <small>College Composition or Applied Communication</small>		3	<b>Prerequisite:</b> Satisfactory score on the English skills assessment or ENG 095.
•	WLD 113 Basic Welding II		2	
<b>Term hours subtotal:</b>			<b>17</b>	

Spring Term 2		16 credit hours	Hours	Notes
•	ELT 272 Motors and Motor Control		3	<b>Prerequisite:</b> ELT 126
•	ELT 258 Electronic Troubleshooting		2	<b>Prerequisite:</b> ELT 126 AND 162
•	ELT 295 Apprenticeship: Electrical Instrumentation		3	
•	COM 100 Introduction to Human Communication <small>College Composition or Applied Communication</small>		3	<b>Prerequisite:</b> Reading Proficiency
•	BIO 100 Biology Concepts <b>OR</b> BIO 105 Environmental Biology <b>OR</b> PHY 100 Introduction to Astronomy <small>Physical and Biological Science</small>		4	<b>Prerequisite:</b> Reading Proficiency
•	MET 116 Rigging		1	<i>*Course scheduled on 4 Saturdays through the semester</i>
<b>Term hours subtotal:</b>			<b>16</b>	

*This recommended sequence is not a binding agreement of any kind between Yavapai College and the student, but merely represents a potential curriculum which 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.*