



Fall Term 1		13 credit hours	Hours	Notes
• CNC 101 CNC Machine Operator			2	
• WLD 113 SMAW/GMAW Welding for Non-Welding Majors			2	
<b>1<sup>st</sup> 8 weeks</b>				
• ELT 135 Robot Operator			3	
• AIT 105 Modern Maintenance Operations			3	
<b>2<sup>nd</sup> 8 weeks</b>				
• AIT 110 Mechanical Power Transmission Systems			3	
<b>Term hours subtotal:</b>			<b>13</b>	

Spring Term 1		14 credit hours	Hours	Notes
• CNC 102 CNC Machine Setup			2	Prerequisite: CNC 101
<b>1<sup>st</sup> 8 weeks</b>				
• AIT 115 Hydraulic Systems			3	
• General Education Requirement			3	Recommended Social and Behavioral Sciences or Arts and Humanities
<b>2<sup>nd</sup> 8 weeks</b>				
• AIT 120 Pneumatic Systems			3	
• General Education Requirement			3	Recommended Written or Oral Communication
<b>Term hours subtotal:</b>			<b>14</b>	

Summer Term 1		6 credit hours	Hours	Notes
• CSA 126 Microsoft Office for Windows <b>OR</b> AGS 101 Microcomputers in Agriculture			3	
• General Education Requirement			3	Recommended Written or Oral Communication
<b>Term hours subtotal:</b>			<b>6</b>	

Fall Term 2		17 credit hours	Hours	Notes
• CNC 201 Computer Aided Programming for CNC			3	Prerequisite: CNC 101 (may be taken concurrently)
• IPT 261 Machine Shop			3	
• MET 200 SolidWorks for Non-Engineers			3	
<b>1<sup>st</sup> 8 weeks</b>				
• ELT 101 Basic Electricity			4	
<b>2<sup>nd</sup> 8 weeks</b>				
• BIO 105 Environmental Biology			4	Prerequisite: Reading Proficiency
				Required Natural Science
<b>Term hours subtotal:</b>			<b>17</b>	

Spring Term 2		13 credit hours	Hours	Notes
<ul style="list-style-type: none"> <li>MET 116 Rigging</li> </ul>			1	
<ul style="list-style-type: none"> <li>WLD 250 Welded Metal Fabrication</li> </ul>			4	<b>Prerequisites:</b> WLD 113 or WLD 145 or WLD 200 or WLD 210 or instructor permission. Summer option may also be available.
<b>1<sup>st</sup> 8 weeks</b>				
<ul style="list-style-type: none"> <li>ELT 165 Programmable Logic Controllers</li> </ul>			2	<b>Prerequisite:</b> ELT 101 or ELT 111.
<ul style="list-style-type: none"> <li>MAT 100 Technical Mathematics  <small>Recommended Quantitative Reasoning</small></li> </ul>			3	<b>Prerequisite:</b> MAT 082 or a satisfactory score on the mathematics skills assessment.
<b>2<sup>nd</sup> 8 weeks</b>				
<ul style="list-style-type: none"> <li>General Education Requirement  <small>Recommended Social and Behavioral Sciences or Arts and Humanities</small></li> </ul>			3	
<b>Term hours subtotal:</b>			<b>13</b>	

*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.*