



Fall Term 1 <i>19 credit hours</i>		Hours	Notes
•	CNC 101 CNC Machine Operator	2	
•	ELT 101 Basic Electricity	4	
•	IPT 110 Industrial Shop Practices	3	
•	MAT 100 Technical Mathematics <small>Mathematics</small>	3	
•	AGS 101 Microcomputers in Agriculture <b>OR</b> CSA 126 Microsoft Office for Windows	3	
•	MET 150 Surface Mine Safety Training	1	
•	IPT 295 Apprenticeship: Industrial Plant	3	
<b>Term hours subtotal:</b>		<b>19</b>	

Spring Term 1 <i>18 credit hours</i>		Hours	Notes
•	CNC 102 CNC Machine Setup	2	<b>Prerequisite:</b> CNC 101
•	CNC 201 Computer Aided Programming for CNC Machining	3	<b>Prerequisite:</b> CNC 101 (may be taken concurrently)
•	ELT 165 Programmable Logic Controllers	2	<b>Prerequisite:</b> ELT 101 or ELT 111
•	MET 160 Basic Machine Hydraulics and Pneumatics	2	
•	WLD 112 Basic Welding I	2	
•	BIO 105 Environmental Biology <small>Physical and Biological Science</small>	4	<b>Prerequisite:</b> Reading Proficiency
•	IPT 295 Apprenticeship: Industrial Plant	3	
<b>Term hours subtotal:</b>		<b>18</b>	

Summer Term 1 <i>3 credit hours</i>		Hours	Notes
•	COM 131 Fundamentals of Speech Communication <small>College Composition or Applied Communication</small>	3	<b>Prerequisite:</b> Reading Proficiency
<b>Term hours subtotal:</b>		<b>3</b>	

Fall Term 2 <i>18 credit hours</i>		Hours	Notes
•	MET 200 SolidWorks for Non-Engineers	3	
•	IPT 160 Machinery Maintenance and Troubleshooting	3	
•	IPT 261 Machine Shop	3	
•	ART 112 Two-Dimensional Design <small>Arts and Humanities <b>OR</b> Social and Behavioral Science</small>	3	<b>Prerequisite:</b> Reading Proficiency
•	IPT 295 Apprenticeship: Industrial Plant	3	
<b>1<sup>st</sup> 8 Weeks</b>			
•	ENG 136 Professional Writing in the Workplace <small>College Composition or Applied Communication</small>	3	<b>Prerequisite:</b> Satisfactory score on the English skills assessment or ENG 095.
<b>Term hours subtotal:</b>		<b>18</b>	

Spring Term 2 <i>16 credit hours</i>		Hours	Notes
•	ELT 135 Robot Operator	2	
•	IPT 135 Industrial Valve and Pump Maintenance and Repair	3	
•	MET 116 Rigging	1	
•	WLD 250 Welded Metal Fabrication	4	
•	PSY 101 Introductory Psychology <small>Arts and Humanities <b>OR</b> Social and Behavioral Science</small>	3	
•	IPT 295 Apprenticeship: Industrial Plant	3	
<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 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.*