



Fall Term 1 <i>17 credit hours</i>		Hours	Notes
• CNC 101 CNC Machine Operator		2	
• MET 150 Surface Mine Safety Training		1	Note: This course runs one week prior to the semester start. Contact department for more information.
• WLD 113 SMAW/GMAW Welding for Non-Welding Majors OR WLD 112 Oxyacetylene Welding for Non-Welding Majors		2	
• IPT 295 Apprenticeship: Industrial Plant		3	Prerequisite: Program Admission Note: Off-site location
1st 8 weeks			
• ELT 135 Robot Operator		3	
• AIT 105 Modern Maintenance Operations		3	
2nd 8 weeks			
• AIT 110 Mechanical Power Transmission Systems		3	
		Term hours subtotal:	17

Spring Term 1 <i>17 credit hours</i>		Hours	Notes
• CNC 102 CNC Machine Setup		2	Prerequisite: CNC 101
• IPT 295 Apprenticeship: Industrial Plant		3	Prerequisite: Program Admission Note: Off-site location
1st 8 weeks			
• AIT 115 Hydraulic Systems		3	
• General Education Requirement <i>Social and Behavioral Sciences or Arts and Humanities</i>		3	
2nd 8 weeks			
• AIT 120 Pneumatic Systems		3	
• General Education Requirement <i>Recommended Written or Oral Communication</i>		3	
		Term hours subtotal:	17

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

Fall Term 2 <i>20 credit hours</i>		Hours	Notes
• CNC 201 Computer Aided Programming for CNC		3	Prerequisite: CNC 101 (may be taken concurrently)
• IPT 261 Machine Shop		3	
• IPT 295 Apprenticeship: Industrial Plant		3	Prerequisite: Program Admission Note: Off-site location
• MET 200 SolidWorks for Non-Engineers		3	
1st 8 weeks			
• ELT 101 Basic Electricity		4	
2nd 8 weeks			
• BIO 105 Environmental Biology <i>Required Natural Science</i>		4	Prerequisite: Reading Proficiency
		Term hours subtotal:	20

Spring Term 2 <i>16 credit hours</i>		Hours	Notes
• IPT 295 Apprenticeship: Industrial Plant		3	Prerequisite: Program Admission Note: Off-site location
• MET 116 Rigging		1	
• WLD 250 Welded Metal Fabrication		4	Prerequisites: WLD 113 or WLD 145 or WLD 200 or WLD 210 or instructor permission. Summer option may also be available.
1st 8 weeks			
• ELT 165 Programmable Logic Controllers		2	Prerequisites: ELT 101 or ELT 111
• MAT 100 Technical Mathematics <i>Recommended Mathematics</i>		3	Prerequisite: MAT 082 or a satisfactory score on the mathematics skills assessment.
2nd 8 weeks			
• General Education Requirement <i>Social and Behavioral Sciences or Arts and Humanities</i>		3	
		Term hours subtotal:	16

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.