



Fall Term 1		15 credit hours	Hours	Notes
•	CNC 101 CNC Machine Operator		2	
•	AIT 105 Modern Maintenance Operations		3	
•	AGS 101 Microcomputers in Agriculture OR CSA 126 Microsoft Office for Windows		3	
•	ELT 101 Basic Electricity		4	
1st 8 weeks				
•	ENG 136 Professional Writing in the Workplace <i>Recommended College Composition</i>		3	Prerequisites: Satisfactory score on the English skills assessment or ENG 095.

Term hours subtotal: 15

Spring Term 1		14 credit hours	Hours	Notes
•	AIT 115 Hydraulic Systems		3	
•	CNC 102 CNC Machine Setup		2	Prerequisites: CNC 101
•	BIO 105 Environmental Biology <i>Required Physical and Biological Science</i>		4	Prerequisites: Reading Proficiency
•	MAT 100 Technical Mathematics <i>Recommended Mathematics</i>		3	Prerequisites: MAT 082 or a satisfactory score on the mathematics skills assessment.
•	WLD 112 Basic Welding I		2	Note: Or WLD 113 Basic Welding II in fall term

Term hours subtotal: 14

Summer Term 1		3-4 credit hours	Hours	Notes
•	General Education Requirement <i>Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication</i>		3-4	

Term hours subtotal: 3-4

Fall Term 2		15-16 credit hours	Hours	Notes
•	CNC 201 Computer Aided Programming for CNC		3	Prerequisites: CNC 101 (may be taken concurrently)
•	AIT 110 Mechanical Power Transmission Systems		3	
•	IPT 261 Machine Shop		3	
•	MET 200 SolidWorks for Non-Engineers		3	
•	General Education Requirement <i>Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication</i>		3-4	

Term hours subtotal: 15-16

Spring Term 2		16-17 credit hours	Hours	Notes
•	ELT 135 Robot Operator		3	
•	General Education Requirement <i>Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication</i>		3-4	
•	MET 116 Rigging		1	
•	WLD 250 Welded Metal Fabrication		4	
•	AIT 120 Pneumatic Systems		3	

2nd 8 weeks

•	ELT 165 Programmable Logic Controllers		2	Prerequisites: ELT 101 or ELT 111
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Term hours subtotal: 16-17

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.