Yavapai COLLEGE

Advanced Manufacturing Technology - AAS
Total Credits: 63
Progression Plan

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 Recommended College Composition	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 Required Physical and Biological Science	4	**Prerequisites**: Reading Proficiency
• MAT 100 Technical Mathematics Recommended Mathematics	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 credit hours	Hours	Notes
• COM 131 Fundamentals of Speech Communication Recommended Applied Communication	3	**Prerequisites**: Reading Proficiency
Term hours subtotal:	**3**	

Fall Term 2 — 15 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	
• ART 112 Two Dimensional Design Recommended Arts and Humanities	3	**Prerequisites**: Reading Proficiency
Term hours subtotal:	**15**	

Spring Term 2 — 16 credit hours	Hours	Notes
• ELT 135 Robot Operator	3	
• PSY 101 Introductory Psychology Recommended Social and Behavioral Sciences	3	
• 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
Term hours subtotal:	**16**	