

Advanced Manufacturing Technology -

Mining Concentration AAS

Total Credits: 76

**Progression Plan** 

Fall	Term 1 19 credit hours	Hours	Notes
•	MET 150 Surface Mine Safety Training	1	<b>Note:</b> This course runs one week prior to the semester start. Contact department for more information.
٠	CNC 101 CNC Machine Operator	2	
•	AIT 105 Modern Maintenance Operations	3	-
•	AGS 101 Microcomputers in Agriculture <b>OR</b> CSA 126	3	
	Microsoft Office for Windows		
•	ELT 101 Basic Electricity	4	
•	IPT 295 Apprenticeship: Industrial Plant	3	Note: Off-site location
1 <sup>st</sup> 8 v	weeks		
٠	ENG 136 Professional Writing in the Workplace	3	- Prerequisites: 0 - V8
	Recommended College Composition Term hours subtotal:	19	
Spri	ng Term 1 17 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	<b>Prerequisites:</b> MAT 082 or a satisfactory score on the mathematics skills assessment.
٠	WLD 112 Basic Welding I	2	Note: Or WLD 113 Basic Welding II in fall term
٠	IPT 295 Apprenticeship: Industrial Plant	3	Note: Off-site location
	Term hours subtotal:	17	
Summer Term 1 3-4 credit hours		Hours	Notes
•	General Education Requirement Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication	3-4	
	Term hours subtotal:	3-4	
Fall	Term 2 18-19 credit hours	Hours	Notes
٠	CNC 201 Computer Aided Programming for CNC	3	<b>Prerequisites</b> : CNC 101 (may be taken concurrently)
•	AIT 110 Mechanical Power Transmission Systems	3	
٠	IPT 261 Machine Shop	3	
٠	MET 200 SolidWorks for Non-Engineers	3	
		5	
٠	General Education Requirement	3-4	
•	Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities		
•	•		Note: Off-site location
•	Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication	3-4	Note: Off-site location
•	Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication IPT 295 Apprenticeship: Industrial Plant <i>Term hours subtotal:</i>	3-4 3	Note: Off-site location
•	Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication IPT 295 Apprenticeship: Industrial Plant <i>Term hours subtotal:</i> Ng Term 2 19-20 credit hours	3-4 3 <b>18-19</b>	
•	Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication IPT 295 Apprenticeship: Industrial Plant <b>Term hours subtotal:</b> <b>ng Term 2</b> 19-20 credit hours ELT 135 Robot Operator General Education Requirement Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities	3-4 3 <b>18-19</b> Hours	
• Spri •	Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication IPT 295 Apprenticeship: Industrial Plant <b>Term hours subtotal:</b> <b>ng Term 2</b> 19-20 credit hours ELT 135 Robot Operator General Education Requirement Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication	3-4 3 <b>18-19</b> Hours 3 3-4	
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• Spri • •	Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication   IPT 295 Apprenticeship: Industrial Plant   IPT 115 Robot Operator   General Education Requirement   Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied Communication   MET 116 Rigging   WLD 250 Welded Metal Fabrication	3-4 3 <b>18-19</b> Hours 3 3-4 1 1	
• Spri •	Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied CommunicationIPT 295 Apprenticeship: Industrial Plant <b>Term hours subtotal:ng Term 2</b> 19-20 credit hoursELT 135 Robot OperatorGeneral Education Requirement Physical and Biological Science or Social and Behavioral Sciences or Arts and Humanities or College Composition or Applied CommunicationMET 116 RiggingWLD 250 Welded Metal Fabrication AIT 120 Pneumatic Systems	3-4 3 <b>18-19</b> Hours 3 3-4	
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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.