

Advanced Manufacturing Technology - AAS Total Credits: 63

Progression Plan

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| 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 <u>OR</u> CSA 126 Microsoft Office for Windows | 3 | |
| 515-404-5 - 1 - 1 - 1 - 1 | 4 | _ |
| ELI 101 Basic Electricity 1st 8 weeks | 4 | _ |
| ENG 136 Professional Writing in the Workplace | 3 | Prerequisites: Satisfactory score on the |
| Recommended College Composition | | 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 | 3 | Prerequisites : MAT 082 or a satisfactory score on the mathematics skills assessment. |
| Recommended Mathematics 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 | 3 | Prerequisites: Reading Proficiency |
| Recommended Applied Communication | 3 | |
| 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 | - |
| 2 nd 8 weeks | | |
| ELT 165 Programmable Logic Controllers | 2 | Prerequisites: ELT 101 or ELT 111 |
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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.

Term hours subtotal:

16