



Advanced Manufacturing Technology A.A.S. – 20615
Recommended Course Sequencing 2020-2021

Course	Requirement Filled	Cr	Notes
Fall - 1st Semester			
AMT 101 Fundamentals of Machining	Curriculum Required	2	Same class as MSP 101. Fall only
AMT 102 Materials for Industry	Curriculum Required	3	Fall only
AMT 110 Intro to Fab Lab Technologies	Curriculum Required	2	Prerequisite for AMT 111. Fall and Spring
DRF 154 Intro to AutoCAD	Curriculum Required	2-3	Fall and Spring
TEC 112 Basic Hydraulics and Pneumatics	Curriculum Required	2	Fall only
TEC 133 Safety for Industry	Curriculum Required	1	Fall only. Will be taught four Fridays
WLD 101 Welding	Curriculum Related	3	Fall only
Curriculum Related/ Elective	Elective	3	Suggested to take electives from the curriculum related courses.
Total Hours		18-19	

NOTE: Any developmental courses (such as ENG 100) must be taken in addition to the above during this semester as prerequisites for later courses.

Spring - 2nd Semester			
AMT 104 Machining and Fabrication	Curriculum Requirement	3	Spring only
AMT 111 Fab Lab Workshop I	Curriculum Requirement	1-3	Fall or Spring Prerequisite: AMT 110 or instructor approval
DRF 150 Dimensioning and Tolerancing	Curriculum Requirement	1	Spring only
DRF 220 Parametric Solid Modeling	Curriculum Requirement	3	Spring only
ENG 101 Written Communication I or higher	General Education Requirement	3	Must do EAC assessment test prior to enrolling
WLD 260 Flux Cored Arc and Gas Metal Arc Welding	Curriculum Related	3	Spring only
Total Hours		14-16	

Fall - 3rd Semester			
AMT 211 Fab Lab Workshop II	Curriculum Related	1	Fall and Spring
DRF 160 Descriptive Geometry	Curriculum Requirement	3	Fall only. Prerequisite: DRF 154 or concurrent enrollment in DRF 154
MAT 100 Applied Mathematics or higher	General Education Requirement	3-5	
WLD 108 Welding and Metal Fabrication	Curriculum Requirement	3	Fall only
General Education	General Education Requirement	4-6	For a total of 12 minimum GE
Total Hours		14-20	Recommend completion of 12 GE credits

Spring - 4th Semester

AMT 220 Advanced Manufacturing Methods	Curriculum Requirement	4	Spring only Prerequisite: AMT 110 or instructor approval
Curriculum Related option	Curriculum Related	3	Choose from Curriculum Related courses
Curriculum Related/Elective	Elective	3	Suggested to take electives from the curriculum related courses.
General Education	General Education	6	For a total of 18 GE credits
Total Hours		16	

Total Hours	64
Total Curriculum Requirements	30
Total Curriculum Related	10
Total General Education	18
Total Elective	6

Notes: The foregoing is a recommended, or suggested, sequence of courses. Of course, if a student enters the program in the spring, or transfers credit in, the above would have to be modified.

This degree dictates specific courses that must be taken as part to meet the General Education requirements. Consult your catalog. All General Education classes must be completed with a grade of "C" or better. 46 curriculum Requirements and Related must be completed with a GPA of 2.00 or higher. Be sure to check the catalog for other changes and requirements.