



Advanced Manufacturing and Design Technician Certificate – 30639
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		2	Prerequisite for AMT 111. Fall and Spring
DRF 154 Intro to AutoCAD	Curriculum Required	3	Fall and Spring.
TEC 112 Basic Hydraulics and Pneumatics	Curriculum Required	2	
TEC 133 Safety for Industry	Curriculum Required	1	Fall only. Will be taught four Fridays
WLD 101 Welding	Curriculum Required	3	You may take WLD 108 or WLD 101. WLD 108 is required for the AMT AAS degree.
Total Hours		16	

Spring - 2nd Semester			
AMT 104 Machining and Fabrication	Curriculum Required	3	Spring only
AMT 111 Fab Lab Workshop I	Curriculum Required	1	Fall and Spring
DRF 150 Dimensioning and Tolerancing	Curriculum Required	1	Spring only
DRF 220 Parametric Solid Modeling	Curriculum Required	3	Spring only
ENG 101 Written Communication I or higher OR MAT 100 or higher	General Education	3-5	Must do EAC assessment test prior to enrolling
WLD 260 Flux Cored Arc and Gas Metal Arc Welding	Curriculum Required	3-4	WLD 260 OR WLD 270, DRF 271, WLD 211, AMT 220
Total Hours		15	

NOTE: Any developmental courses (such as ENG 100 and MAT 090) must be taken in addition to the above during this semester as prerequisites for later courses.

Total Min Hours	29
Total Curriculum Requirements	29-35
Total Related Curriculum	0
Total General Education	3-5
Total Elective	0

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 courses must be completed with a grade of "C" or better--Be sure to check the catalog for other changes and requirements.