



**Welding/Manufacturing Fundamentals Certificate – 30642**  
Recommended Course Sequencing – 2020-2021

Course	Requirement Filled	Cr	Notes
<b>Fall - 1st Semester</b>			
AMT 101 Fundamentals of Machining <b>OR</b> AMT 104 Machining and Fabrications	Core Curriculum	2-3	AMT 104 (3 cr.) - Spring only AMT 101 (2 cr.) - Fall only
WLD 101 Welding	Core Curriculum	3	Fall/Spring offered
<b>Total Hours</b>		5-6	

<b>Spring - 2nd Semester</b>			
AMT 110 Introduction to Fab Lab Technology	Core Curriculum	2	Fall/Spring offered
WLD 108 Welding and Metal Fabrication	Core Curriculum	3	Fall/Spring offered
<b>Total Hours</b>		5	

<b>Fall - 3rd Semester</b>			
WLD 201 Repair Welding and Fabrication <b>OR</b> WLD 270 Technical Welding	Core Curriculum	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval WLD 201 Fall only WLD 270 Spring only
<b>Total Hours</b>		3	

<b>Spring - 4th Semester</b>			
WLD 211 Pipe Welding <b>OR</b> WLD 260 Flux Cored Arc and Gas Metal Arc Welding	Core Curriculum	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval Spring only
AMT 220 Advanced Manufacturing Methods	Core Curriculum	4	AMT 110 or Instructor approval
<b>Total Hours</b>		7	

<b>Total Hours</b>	20-21
Total Curriculum Requirements (Core)	20-21
Total Related Curriculum	
Total General Education	
Total Elective	

**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.

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