

# ADVANCED MANUFACTURING TECHNICIAN CERTIFICATE 30641

Course	Requirement Field	Credits	Notes
<b>Fall - 1st Semester</b>			
AMT 101 Fundamentals of Machining	Curricula Requirement	2	
AMT 102 Materials for Industry	Curricula Requirement	3	
AMT 110 Introduction to Fab Lab Technology	Curricula Requirement	2	
DRF 154 Intro to AutoCAD <b>AND</b> AMT 111 Fab Lab Workshop I	Curricula Requirement	3	You may also take DRF 220, taught in spring – 3 credits
TEC 112 Basic Hydraulics and Pneumatics	Curricula Requirement	2	You may also take AMT 104, taught in Spring - 3 credits
TEC 133 Safety Practices for Industry	Curricula Requirement	1	Will be taught four Fridays
WLD 101 Welding	Curricula Requirement	3	You may also take WLD 108
<b>Total Hours</b>		<b>16</b>	

<b>Total Minimum Hours</b>	16
Total Curriculum Requirements	16-17

**Notes:** 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.**

## Curriculum Requirements

Note: The student cannot take DRF 154 for 2 credits and TEC 112 for 2 credits to meet the total minimum certificate credits of 16.

AMT 101 Fundamentals of Machining	2 credits
AMT 102 Materials for Industry	3 credits
AMT 104 Machining and Fabrication <u>OR</u>	
TEC 112 Basic Hydraulics and Pneumatics	2 to 3 credits
AMT 110 Introduction to Fab Lab Technology	2 credits
DRF 154 Introduction to AutoCAD <b>AND</b>	
AMT 111 Fab Lab Workshop I <u>OR</u>	
DRF 220 Parametric Solid Modeling	3 credits
TEC 133 Safety Practices for Industry	1 credit
WLD 101 Welding <u>OR</u>	
WLD 108 Welding and Metal Fabrication	3 credits
<b>Total Minimum Certificate Requirements</b>	<b>16-17 credits</b>