



## Advanced Manufacturing Technology A.A.S. – 20615

Course	Requirement Field	Credits	Notes
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### Fall - 1st Semester

AMT 101 Fundamentals of Machining	Curriculum Requirement	3	Fall only
AMT 110 Intro to Fab Lab Technologies	Curriculum Requirement	2	Fall and Spring Prerequisite for AMT 111.
DRF 154 Intro to AutoCAD	Curriculum Requirement	3	Fall and Spring
TEC 112 Basic Hydraulics and Pneumatics	Curriculum Requirement	3	Fall only
TEC 133 Safety for Industry	Curriculum Requirement	1	Fall only
Choose from list of Curricula Related	Curriculum Related	3	
<b>Total Hours</b>		<b>15</b>	

### Spring - 2nd Semester

AMT 104 Machining and Fabrication	Curriculum Requirement	3	Spring only
AMT 111 Fab Lab Workshop I	Curriculum Requirement	1	Fall or Spring Prerequisite: AMT 110 or instructor approval
DRF 150 Dimensioning and Tolerancing	Curriculum Requirement	2	Spring only
DRF 220 Parametric Solid Modeling	Curriculum Requirement	3	Spring only
ENG 101 Written Communication I	General Education Requirement	3	Must do EAC assessment test prior to enrolling
Choose from list of Curricula Related	Curriculum Related	3	
<b>Total Hours</b>		<b>15</b>	

### Fall - 3rd Semester

AMT 102 Materials for Industry	Curriculum Requirement	3	Fall only
DRF 160 Descriptive Geometry	Curriculum Requirement	3	Fall only Prerequisite: DRF 154 or concurrent enrollment in DRF 154
MAT 100 Applied Mathematics	General Education Requirement	4	Fall and Spring
WLD 108 Welding and Metal Fabrication	Curriculum Requirement	3	Fall only
Elective Requirement	Elective	2	Suggested to take electives from the curriculum related courses.
<b>Total Hours</b>		<b>15</b>	

### Spring - 4th Semester

AMT 220 Advanced Manufacturing Methods	Curriculum Requirement	4	Spring only Prerequisite: AMT 104
Choose from list of Curricula Related	Curriculum Related	3	
General Education	General Education	8	
<b>Total Hours</b>		<b>15</b>	

<b>Total Hours</b>	<b>60</b>
Total Curriculum Requirements	34
Total Curriculum Related	9
Total General Education	15
Total Elective	2

**Notes:** If a student enters the program in the spring, or transfers credit in, the above would have to be modified.