



## Machine Tool Technology (MTT.CNC.AAS) - Full Time - Fall Start 2021-2022

\*\*Students should meet with an OCC counselor before attempting this plan of study\*\*

### Year 1 - FALL

COURSES	
MTT 1100 Introduction to Machine Tools	3
MTT 2100 Introduction to CNC	3
TED 1030 Basic Blueprint Reading	3
APM 8110 Geometry Algebra	3
– or- MAT 1560 Trigonometry (3cr) <sup>1</sup>	
CAD 1501 Special Topics in CAD: Fusion360	2
<b>TOTAL CREDITS: 14</b>	

### Year 1 – WINTER

COURSES	
MTT 1150 Metrology	2
MTT 1200 Machine Tool Setup & Operation	3
MTT 2200 G&M Code Programming	3
MTT 2250 Fundamentals of CAM	3
CAD 1050 GD&T	4
<b>TOTAL CREDITS: 15</b>	

### Year 1 - SUMMER

COURSES	
MTT 2300 2D & 3D Computer Aided Machining	4
Gen Ed	3
<b>TOTAL CREDITS: 7</b>	

### Note:

To receive MTA endorsement, students must fulfill the requirements noted for each category and successfully complete at least 30 credits. All coursework used to fulfill MTA requirements must be completed with a grade of 2.0 or higher in EACH course.

### Year 2 - FALL

COURSES	
MTT 1300 Advanced Machining Processes	3
MTT 2400 Jig & Fixture Assemblies	3
ENG 1450 Writing and Reading for Problem Solving 3	
–or- ENG1510 Composition 1 (3cr) <sup>2</sup>	
MSE 1000 Metallurgy	3
Gen Ed	3
<b>TOTAL CREDITS: 15</b>	
<b>MILESTONE:</b> Make an appointment to meet with a Counselor to apply for graduation for this degree.	

### Year 2 - WINTER

COURSES	
ROB 1500 Introduction to Robotics	4
MTT 1400 Manufacturing Processes	3
MTT 2500 Multi-axis CAM	3
Gen Ed	3
<b>TOTAL CREDITS: 13</b>	

**Total Credits: 64**

1. If student plans on transferring, then MAT1560 should be taken.
2. If student plans on transferring, then ENG1510 should be taken.