

TECHNOLOGY STUDIES: ADVANCED MANUFACTURING MACHINE TECHNOLOGY CERTIFICATE OPTION 1

Program code: AMC1-CC-COT

Location: Naugatuck Valley, Quinebaug Valley

Certificate Requirements

Code	Title	Credits
Required Courses		
MFG 1405	Manufacturing Math	3
MFG 1415	Safety in the Workplace	1
MFG 1424	Blueprint Reading 1	3
or EGR 1120	Engineering Drawing Specs	
MFG 1453	Benchwork	2
MFG 1477	Machine Technology Fundamentals	4
MFG 1478	CNC Fundamentals	3
MFG 1479	Career Awareness for Manufacturing	1
MFG 2456	Advanced CNC	3
MFG 2477	Advanced Machine Technology	4
Choose three of the following Directed Electives:		9
MFG 1010	Parametric Design (SolidWorks)	
MFG 1414	Quality and Lean Principles	
or MFG 1413	Principles of Quality Control	
MFG 1420	Metrology	
MFG 1425	Blueprint Reading 2 with Geometric Dimensioning & Tolerancing	
MFG 2405	Principles of CNC w/Mastercam	
MFG 2439	Geometric Dimension and Tolerancing (G, D, and T)	
MFG 1400	Advanced Metrology with CMM (Coordinate Measuring Machines)	
MFG 1409	Introduction to MasterCAM	
Total Credits		33