TECHNOLOGY STUDIES: ADVANCED MANUFACTURING MACHINE TECHNOLOGY OPTION 1, AS

Program code: AMT1-AS-COT

Location: Naugatuck Valley, Quinebaug Valley

Degree Requirements

Code	Title	Credits
Technology Studies General Education Core		
ENG 1010	Composition	3
MATH 1610	Precalculus	4
ART Elective (course vetted for ARHX)		3
CHEM 1110	Concepts of Chemistry	4
or CHEM 1210	General Chemistry I	
Elective HISX - Historical Knowledge Course or Elective SBSX course in ECON		3
ENG 1080	Composition II: Technical Writing	3
or COMM 1301	Public Speaking	
CCS 1001	College and Career Success	3
Technology Studies Program Core		
PHYS 1201	General Physics I	4
or PHYS 2201	Calculus-Based Physics I	
Elective BHEL - Behavioral Science Elective - choose an ANTH, PSY or SOC course		3
MATH 1200	Statistics I	3-4
or MATH 1201	Statistics I with Computer Applications	
Machine Technology Option #1 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 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	
MFG 1420	Metrology	
MFG 1425	Blueprint Reading 2 with Geometric Dimensioning & Tolerancing	
MFG 2405	Principles of CNC w/Mastercam	
MFG 1400	Advanced Metrology with CMM (Coordinate Measuring Machines)	
MFG 1409	Introduction to MasterCAM	
MFG 2439	Geometric Dimension and Tolerancing (G, D, and T)	
Total Credits		**65-66**