

TECHNOLOGY STUDIES: ADVANCED MANUFACTURING MACHINE TECHNOLOGY, AS - OPTION 2

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	69-70

Program code: AMT2-AS-COT

Location: Asnuntuck, Housatonic, Middlesex, Tunxis

These are the requirements of the Technology Studies A.S. degree with the Advanced Manufacturing Machine Technology Option 2 specialization.

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 or CHEM 1210	Concepts of Chemistry General Chemistry I	4
Elective HISX - Historical Knowledge Course or Elective SBSX course in ECON		3
ENG 1080 or COMM 1301	Composition II: Technical Writing Public Speaking	3
CCS 1001	College and Career Success	3
Technology Studies Program Core		
PHYS 1201 or PHYS 2201	General Physics I Calculus-Based Physics I	4
Elective BHEL - Behavioral Science Elective - choose an ANTH, PSY or SOC course		3
MATH 1200 or MATH 1201	Statistics I Statistics I with Computer Applications	3-4
Manufacturing Technology Option #2		
MFG 1405	Manufacturing Math	3
MFG 1415	Safety in the Workplace	1
MFG 1424 or EGR 1120	Blueprint Reading 1 Engineering Drawing Specs	3
MFG 1453	Benchwork	2
MFG 2477	Advanced Machine Technology	4
MFG 1478	CNC Fundamentals	3
MFG 1479	Career Awareness for Manufacturing	1
MFG 2456	Advanced CNC	3
MFG 1477	Machine Technology Fundamentals	4
Choose four of the following Directed Electives:		12
MFG 1010/CAD 2200	Parametric Design (SolidWorks)	
MFG 1414	Quality and Lean Principles	
MFG 1420	Metrology	
MFG 1425	Blueprint Reading 2 with Geometric Dimensioning & Tolerancing	