Machine Tool Collaborative Program Courses (5 semesters for degree plus 1 for Multi-Axis Machining CNC Certificate)

ENG 101 English Composition
MTH 112 Precalculus Algebra
MTH 113 Precalculus Trigonometry
SPH 107 Fundamentals of Public Speaking
Humanities Elective
Social Science
ADM 101 Precision Measurement
ADM 104 Intro. To Thermal/Electrical Principals
ADM 105 Fluid Systems
ADM 106 Quality Control Concepts
ADM 108 Intro to 3D Modeling
ADM 208 Intermediate 3D Modeling
ADM 111 Manufacturing Safety Practices
MTT 121 Print Reading
MTT 138 Milling Lab 1
MTT 147 Introduction to Machine Shop I
MTT 148 Introduction to Machine Shop I Lab
MTT 140 Basic CNC Turning
MTT 143 Basic CNC Turning Lab
MTT 141 Basic CNC Milling
MTT 241 Basic CNC Milling Lab
MTT 212 Adv. CNC Turning
MTT 244 Adv. CNC Turning Lab
MTT 213 Adv. CNC Milling
MTT 242 Adv. CNC Milling Lab

Total Credits 75


Multi-Axis CNC CERTIFICATE

MTT 219 CNC Graphics: Milling (Advanced Cad Cam)

MTT 220 CNC Graphics Turning (Advanced Cad Cam)

MTT 281 Special Topics – (multi-axis turning, 5-axis milling)

Total Credits 9