MACHINIST: COMPUTER NUMERICAL CONTROLS (180 Hours)

Course No.: 79-95-70

COMPETENCY CHECKLIST

	Student Name	
	Teacher Name	School Site
	Start Date Completion Date	Certificate Date
	Teacher Signature(Signatures verify comp	_ Student Signature
A.	ORIENTATION (2 hrs)1. History of & job opportunities in CNC2. Course objectives/limits of course coverage	F. CONTINUOUS PATH VERSUS POINT-TO-POINT PROGRAMMING (12 hrs) 1. Tape format versus auxiliary codes
В.	BASIC MACHINE SHOP AS APPLIED TO NUMERICAL CONTROLS (18 hrs) 1. Identify metal coding2. Identify various steel alloys3. Identify cast iron4. Identify aluminum alloys5. Describe cutting tools and methods of use	G. QUALITY CONTROL (12 hrs) 1. Use and care of precision equipment H. EMPLOYABILITY SKILLS (3 hrs) 1. Identify potential employers 2. Sources of employment information 3. Write a résumé 4. Prepare applications
C.	NUMERICAL CONTROL EQUIPMENT AND LANGUAGE (4 hrs) 1. Distinguish between types of lathes 2. Distinguish types of milling machines	5. Participate in mock interview I. REVIEW AND EVALUATION (3 hrs) 1. Pass written tests given 2. Pass performance tests
D.	OPERATOR RESPONSIBILITIES (12 hrs) 1. Classify different types of machine tools 2. Retrofitting of conventional equipment 3. Explain tolerances 4. Ways to control possibilities of human error 5. Explain various coding systems 6. Compare coordinates 7. Differentiate language of tape	2. Pass performance tests
E.	PROGRAMMING (114 hrs) 1. Describe manuscript preparation operations2. Tape preparation/run perforation equipment3. Program examples of point-to-point4. Verify tape5. Demo tape mounting/tool adjustment6. Test tool performance7. Prepare materials for parts fabrication8. Define tape shortage/breakage	