



Machining and Manufacturing Technology

Certificate of Proficiency

39-44 Credits

This is a one-year (three quarter) program designed for both the new student entering the field of manufacturing and for the current employee who wishes to learn more about the knowledge and skills currently in demand by employers.

Upon completion of this certificate, the students are prepared for entry into the manufacturing industry as a conventional or CNC (Computer Numerical Control) machinist trainee. Instruction covers conventional turning, milling and grinding, as well as basic programming, set up and operation of CNC machine tools. Other subjects include shop safety, reading engineering drawings, shop mathematics, machine tool theory, inspection and surface plate techniques, as well as lean manufacturing and other skills currently required by the manufacturing industry.

Credit for hours of training is usually granted to those entering an approved apprenticeship program. Entry into the program at any time is possible on a space-available basis with instructor's permission.

Contact: Tom Tagliente, ext 4261
ttagliente@greenriver.edu

Dept./No.	Course Title	Credits
ACOMP 101 or MATH 072 or	Computation for the Trades or Elementary Algebra or Eligible of MATH 097, Intermediate Algebra	0-5
MFG 101 or AAM 101	Introduction to Machining and Manufacturing or Principles of Precision Machining 1	13
MFG 102	Conventional Milling and Turning	11
MFG 103 or AAM 102	Conventional and CNC Machining Level 1 or Principles of Precision Machining 2	13
MFG 115	Reading Engineering Drawings	2