

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 4228
ttaglien@greenriver.edu

<u>Dept./No.</u>	<u>Course Title</u>	<u>Credits</u>
Acomp 100T or Math 072 or	Computation for the Trades or Elementary Algebra or Eligible of Math 097, Elementary Algebra	0-5
Mfg 101	Introduction to Machining and Manufacturing	13
Mfg 102	Conventional Milling and Turning	13
Mfg 103	Conventional and CNC Machining Level 1	11
Mfg 115	Reading Engineering Drawings	2