Green River COMMUNITY COLLEGE

Effective Summer 2011

Machining and Manufacturing Technology

Associate in Applied Science Degree
100-107 Credits

This degree program is 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.

A graduate of the program will be 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

Dept./No.	Course Title	Credits
# Acomp 100T **or**	Computations for the Trades **or**	
Math 072 **or**	Elementary Algebra **or**	
	Eligible for Math 097, Intermediate Algebra	0-5
# Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220 **or**	Public Speaking **or**	
Cmst& 230	Small Group Communication	5
# Engl&101 **or**	English Composition 1 **or**	
Engl 109	Writing for Trades and Professional/Technical Degrees	5
# Human Relations	Any course that satisfies the Human Relations	
	Related Instruction Requirements	5
Indus 102.1	Welding Survey 1	3
Mfg 101	Introduction to Machining and Manufacturing	13
Mfg 102	Conventional Milling and Turning	13
Mfg 103	Conventional and CNC Machining Level 1	13
Mfg 104	Conventional and CNC Machining Level 2	13
Mfg 105	Intermediate CNC Machining	13
Mfg 106 **or**	Special Machining Practices **or**	
Mfg 177	Manufacturing Work Experience	13
Mfg 115	Reading Engineering Drawings	2
Mfg 162 **or**	Applied Materials for Manufacturing **or**	
I E 189	Basic Metallurgy	2-4

To enhance the learner's preparation for future employment, we recommend the following:

Bus E 111	Personal Computing	3
D T 115	Geometric Dimensioning and Tolerancing	4

 # Satisfies related instruction requirements.