

DELTA COLLEGE

ACCELERATED CNC / MACHINIST

PROGRAM

TERRY MORSE - ASSISTANT PROFESSOR ADVANCED CNC
HARVEY SCHNEIDER - SKILLED TRADES LIAISON

BACK GROUND INFO

Down turn in manufacturing in USA / Michigan.

Lack of employer hiring.

Lack of employer training programs (apprenticeships).

No interest or knowledge of manufacturing career opportunities by public.

Wages not current / appealing for difficulty of work.

Limited students in Delta CNC program.



ADVANCED CNC CERTIFICATE

Revised curriculum and lab

**Based on NIMS standards
(National Institute for Metalworking Skills)**

40 credits

Includes manual and CNC training

More job offers than students

Laddered program: Advanced certificate - AAS Degree(s)

Transferability to 4 year degree program.

PURPOSE

Meet the growing demand for skilled machinist.

Provide training for future employees that will lead to a sustainable career path. (Academic Credit, Associate degree, Baccalaureate degree)

Create a continuous flow of students moving through the CNC program at Delta College.



ACCELERATED CNC / MACHINIST PROGRAM

Spring 2012- Put together first offering of accelerated machinist training program.

Openings for 24 students.

Enrolled 22

Classes run 8:00am-4:30 Monday thru Thursday.

Partnered with area employers to provide job shadowing experience on Fridays.

Career fair at end. 11 were offered positions. Wage ranged from \$11.00-\$15.00/hr.

Fall 2012 - 17 either returned to complete certificate and/or were working.

FURTHER DEVELOPMENTS

Summer 2012- met with GLBMA to discuss shortage of machinist.

Discussed funding for training with MI Works.

Develop Certificate of Achievement for CNC Machinist program.

Press releases, flyers, and radio spots.

Hosted orientation for future students.

PARTNERING

Key to successful program is partnering with the area employers

Surveys

Advisory committee

Employ professionals as adjunct

Field trips

Job shadowing



SPRING 2013

Accelerated program revised 19 credits.

11 weeks long.

Cost - Approximately \$3000 (Books and Materials)

Includes industrial safety training.

Includes soft skills seminar.

Structured job shadowing experience.

Enrollment for up to 48 new students.

Classes offered day and evening.

Enrollment opened March 13th. **(All Classes full)**

Six new Adjuncts hired

two more are teaching additional classes

Informational Session for CNC Machinist Accelerated Program

Overview by Terry Morse Assistant Professor, Advanced CNC and Manufacturing

Tuesday, April 16, 3pm Room N-012

Find out how you can

- get a jump start on a fast growing career!
- earn a year's worth of classes in 11 weeks!
- get this training paid for! (must be unemployed)
- participate in non-paid work experience!
- receive a Certificate of Achievement!

Classes begin in May 2013

Opening Remarks by the President of the Great Lakes Bay Manufacturers Association

In attendance:

Great Lakes Bay Michigan Works!

Employers from Great Lakes Bay Manufacturers Association

Technical, Trades & Manufacturing Division Delta College

This orientation is a partnership with Michigan Works! Great Lakes Bay Region, Delta College, and the Great Lakes Bay Manufacturers' Association.



PROGRAM OVERVIEW

TERRY MORSE, ASSISTANT PROFESSOR ADVANCED CNC AND MANUFACTURING

The purpose of this program is to provide the learner with the necessary skills for entry level employment into a rewarding career path at an “accelerated” pace.

A key component of this program is Job Shadowing, which is built in and will take place every Friday.

This program includes six classes:

- MS-113 Introduction to Machining Processes
- DRF-121 Sketching and Blueprint Reading
- MIT 118 Safety Practices and Procedures
- MS-181 Machine Tools 1
- CNC-162 Computer Numerical Controls Theory
- CAD 120 Introduction to CAM
 - with MasterCam 2d and Lathe

PROGRAM OVERVIEW

TERRY MORSE, ASSISTANT PROFESSOR ADVANCED CNC AND MANUFACTURING

Through these classes you will learn safety, blue print reading , and manual machining techniques which transfer to the CNC (computer numerical control) , CNC theory, programming set up and operation, and CAD/CAM (computer aided drafting / computer aided machining.)

As a student you will be expected to follow all safety rules of the campus and classroom with include proper dress, shoes and safety glasses. If you wear prescription glasses they must be OSHA approved lenses and have side shields. Full Attendance is expected but we will follow college policy which states the instructor has the right to drop a student who does not attend regularly. (90%)

Students are expected to sign up for and travel to area employers for Job Shadowing experiences.

You are expected to follow all safety rules and requirements of each employer when Job Shadowing.



Employer
Services



Job Seeker
Services

Think ***FastStart!***
Adv. Manufacturing classes
starting 3/11

We can help!



Watch and Learn
About CNC



FastStart!
Training



WorkKeys

Click here for **Pure Michigan Talent Connect** – your launch pad for new jobs, careers and talent

[site map](#) | [accessibility policy](#) | [locations](#) | [contact](#)

WHAT NEXT?

Enrollment for Fall Classes now open.

Accelerated CNC version

Standard version of all six classes

Winter Classes

Accelerated CNC version

Standard version of all six classes

Skills update

Machinery's Handbook

Geometric Tolerancing

CNC Theory

Introduction to CAM

CNC with Machining Applications

MasterCam

QUESTIONS?

Thank you !

<http://www.delta.edu/tech.aspx>

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