

<b>Course No.: CNC 806</b> <b>Course Title: ADMAC Parts Turning - V2.11 3-Day Class</b>	Instructor: Instructor email:
--	----------------------------------

## **I. Course Description**

This course is targeted to comprehensibly instruct, apply, and generate G code programs through utilization of the Okuma off line software suite known as ADMAC Parts. This course aligns to all Okuma Turning machine tools – I.E. 1saddle / 2 saddle / M / W / Y / ATC (Multus / MacTurn) configurations.

The course specifically focuses on using the CAD function as well as the OSP Simulation support plug-in. ADMAC Parts affords users the ability to produce error free programs, acutely aligned to the OKUMA OSP control, and affords further support of most legacy OSP controls. This proprietary G code off -line programming system can expedite / deliver Okuma based G code programs faster and more reliably than any conventional system commercially available. By applying ADMAC Parts to your production process environment you will be ‘making parts’ quickly, with total confidence and accuracy.

Course Length: 24 hours

## **II. Objectives**

Following the completion of this course, students will be able to:

1. Produce Okuma based G code part programs efficiently, error and alarm free.
2. Master the software’s design methodology, and various process creation methods available
3. Evaluate and modify feed, speed, doc, re-order / revise tool paths, and optimize cycle times
4. Validate or customize any existing manually created program in a mirrored OSP environment

## **III. Evaluation**

User’s comprehension of topics is measured by both actual demonstration and exam.

## **IV. Course Content/Topics**

### **Monday**

1. Instructor and Class Introductions
2. Installation of Software and Main Toolbar / folders overview
3. Menu Selections and Settings
4. Drawing and Navigation Toolbars
5. Example part – Sample 1

**Tuesday**

1. Menu shortcuts and User customizations
2. Machine Selections and Data Set
3. Auto Decide / Process Controls / Parameters
4. Hybrid Mode / Tool Registration
5. Example parts with M features – Draw and Process

**Wednesday**

1. Overview of OSP Simulation plug-in
2. Data File Management functions
3. Material Tables and Tool Libraries
4. Axis Processing / Edit Aux Mode
5. Example part Samples 2 and 3– Transfer – Cutoff – Torque Skip
6. Dismiss

## STUDENT RIGHT-TO-KNOW INFORMATION

We are glad you chose to attend York Technical College! York Technical College publishes information for prospects and students annually. Please take a moment to review this important information on the College's website as indicated below:

**Student Right-to-Know** - [http://www.yorktech.edu/stud\\_r2k.pdf](http://www.yorktech.edu/stud_r2k.pdf)

Provides the program completion rate of first-time, full-time freshmen at YTC.

**Drug and Alcohol Policy** - [http://www.yorktech.edu/drug\\_pol.pdf](http://www.yorktech.edu/drug_pol.pdf)

Provides policies and information on alcohol and other drug use for students in the SC Technical College System.

**Campus Security Report** - [http://www.yorktech.edu/security\\_rep.pdf](http://www.yorktech.edu/security_rep.pdf)

Provides crime awareness and prevention information in addition to specific crime statistics at YTC.

**Student Grievance Procedure** - [http://www.yorktech.edu/stud\\_griev.pdf](http://www.yorktech.edu/stud_griev.pdf)

Provides a formal system for students to share complaints related to discrimination, sexual harassment and academic matters.

**Student Code** - [http://www.yorktech.edu/stud\\_code.pdf](http://www.yorktech.edu/stud_code.pdf)

Provides the rights and responsibilities of students in the SC Technical College System.

**Family Educational Rights and Privacy Act (FERPA)** -

<http://www.yorktech.edu/registrar/FERPA.asp>

Disclosure of Education Records - Describes the conditions under which students' educational information is protected and released and students' rights under FERPA.

Paper copies of these policies are available upon request to the Associate Vice President for Academic and Student Affairs Office, 452 S. Anderson Road, Rock Hill, SC 29730.

If you have questions concerning this information, please contact Brandy Piner, Registrar at 803-981-7391 or [bpiner@yorktech.edu](mailto:bpiner@yorktech.edu).

## DISABILITIES STATEMENT

Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Office (SRO) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.