

CNC JOINERY WITH WILL LERUMS

AUGUST 31-SEPTEMBER 4, 2020

Syllabus:

Monday

- Welcome by Marc Adams
- Introduction to CAD / CAM / CNC workflow and safety
- Install CAD / CAM Software
- Student introductions
- Layout machine fixtures in CAD

Tuesday

- Demo - Determining machine zero and controlling the machine manually
- Discussion - Factors contributing to CAM operations and settings
- Demo - Posting files to various controller software programs
- Computer / Machine time

Wednesday

- Discussion - Methods of securing material
- Demo - Show procedures for flip milling boards
- Computer / Machine time

Thursday

- Computer / Machine time
- Discussion - Design with CNC machines in mind
- Demo – Introduce vertical milling dovetails
- Computer / Machine time

Friday

- Discussion - Review of the week and an opportunity to ask questions
- Computer / Machine time
- Clean up and Marc Adams closing

Tools to Bring:

- **Safety**
 - Wrap around eye protection with ANSI Z87+ Rating
 - Over-the-ear hearing protection
- **Tech**
 - Computer or laptop - Information concerning computer requirements and accessing the software will be sent to students via email.
- **Marking and Measuring**
 - 6"-12" metal ruler
 - Small tape measure
 - Dial or digital calipers - 6" - 8" is great
 - Graph paper
- **Hand Tools (Optional)**
 - Assortment of chisels from 1/8" to 1/2"
 - Mallet
 - Small block plane

Material:

The wood for this class will be prepared prior to the class, as it is very important to have consistent dimensioned material. All of the hardware will be provided as well. Please reach out to me by email or phone with any questions or concerns. Thanks

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MASW school's number 317-535-4013

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