



**Dan T. Moore Makerspace**

# Maker Manual

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# Hours

## Spring 2020

Monday to Thursday  
10am - 8pm\*

Friday  
10am - 4pm

## After Spring Break

Mondays and Wednesdays  
10am - 9pm

Saturday March 28, April 4 & 11

10am - 3pm

\*The Makerspace may close by 6:30pm if students are not using the space.

# Staff

**Matthew Johnson** - Makespace Manager  
c.m.johnson84@csuohio.edu, ext. 3388

**Ganesh Walunj** - Graduate Assistant  
g.walunj@vikes.csuohio.edu

**Kurt Worden** - Maker Mentor  
k.worden@vikes.csuohio.edu

**Derek Woods** - Part-time Machinist  
d.o.woods@vikes.csuohio.edu

# Spaces & Access

The Makerspace has three areas:

## Common Area

### open access

walk-in training or workshops for machines

### Meeting rooms

First come, first serve

### Open space tables

Grab one

### Laser engravers

cuts wood, paper, plastic

### Circuit Mill

PCB rapid circuit making

## Wood Shop

### secured area

access requires safety training

### Drill press

Drilling of wood

### Miter saw

Strait/angled wood cuts

### Band saw

thin blade wood cuts

### Planer

even thickness

### Jointer

straightens and squares

### Belt Sander

120 grit sanding

### Shopbott

CNC 3D router

## Metal Shop

### secured area

access requires meeting with makerspace machinist

### Lathe

removes metal in rational cuts

### E-Mill

3 axis flat surface cuts

### CNC machine

machine guided 3D cuts

### Tig & Mig Welding

joining metal

### Drill Press & Grinder

drilling holes and smoothing

### Plasma cutter

Computer guided cutting of metal sheets

### Hand tools

screw drivers, hammers, sockets, etc.

### Horizontal saw

horizontal band saw cuts



# Training Required

If students have no experience or a wealth of experience , the Makerspace offers training to ensure the safe operation of all equipment.

## **Common Area** (walk-in training)

Laser equipment in the common area can be used after an orientation from the Makerspace staff.

Use of the circuit mill requires workshop attendance. (email the Makerspace Manager to register for a workshop)

## **Woodshop** (training by appointment only)

Access to the Samuel Austin Woodshop requires a one-hour general safety and specific machine training. A student's level of proficiency determines when they can independently use the equipment. (email the Makerspace Manager to schedule a training.)

**Training requests must be received 24 hours in advance.**

## **Metalshop** (scheduled meeting with the machinist)

Use of the equipment in the metal shop requires meeting with the Makerspace Machinist during machining hours.

### **Machining Hours: ?**

The machinist will assess a student's level of proficiency which will determine when a student can independently use the equipment.

**Prior course work (MCE 286) or employment experience does NOT automatically grant access.**

# Access after Training

**Access to the Makerspace can only take place while the Makerspace Staff are present.**

## **Common Area** (open area)

Laser equipment and Circuit Mill are accessible on a first-come basis. The lasers can be reserved by emailing the Makerspace Manager.

Open tables and meeting rooms are accessible on a first-come basis. Dry-erase markers and erasers are provided in each room.

## **Woodshop** (secured area)

Access given by Makerspace staff after verifying training.

## **Metalshop** (secured area)

Access given by the Makerspace Machinist during machining hours.

# Makerspace Media

Stay up-to-date on the Makerspace  
by following us on social media or  
going to our website.



@CSUMAKERSPACE

[https://engineering.csuohio.edu/  
makerspace/dan-t-moore-makerspace](https://engineering.csuohio.edu/makerspace/dan-t-moore-makerspace)

