



Intro to Sash Making Course Description

Objective - Understand the processes and tools necessary to replicate a true divided lite window sash. Students will complete multiple projects throughout the course, beginning with very basic concepts, adding new skills each day until the student can make a complex divided lite window sash.

Tools and materials provided. Students are welcome and encouraged to bring for themselves the following hand tools: A measuring tape without fractions printed on the blade, pencil, utility knife, speed square, chisel, Japanese pull saw, nail pouch.

Cost: \$1500. A non refundable deposit of \$500 will hold your spot. Balance due 7 days before class begins. If class is canceled by WWM, deposit will be cheerfully refunded.



Locations:

Tampa, FL Campus

1706 W. Cypress St. Tampa, FL 33606

San Antonio Campus

521 Culebra Rd San Antonio, Texas 78201

Time: Monday through Friday 8:30-4:30 (Daily end time may fluctuate depending on class)

Day 1: Screen Frame. Goal. Students will learn the tools and procedures needed to turn rough lumber into a basic window screen frame using mortise and tenon joinery. Skills learned:

1. Identify rough lumber sizes
2. Basic millwork to make blanks
 - a. Circular saw
 - b. Jointer
 - c. Planer
 - d. Table saw

- e. Chop saw
- 3. Basic mortise and tenon joint
 - a. Hollow chisel Mortiser
 - b. Dedicated tenoning table saw
 - i. Dado blade
 - ii. Sled
 - c. Adjustment tools
 - i. Pull saw
 - ii. Chisel
 - iii. Sanding block
- 4. Basic measurement layout

Day 2: Storm Window Frame. Goal: Students will learn how to add a glazing rabbet to a basic screen frame to allow a piece of glass to be installed. Skills learned

- 1. Reinforce lessons from day 1
- 2. Methods to make glazing rabbets
 - a. Router Table
 - b. Dedicated Table Saw
 - i. Dado Blade
 - ii. Featherboard
 - iii. Auxiliary fence
 - c. Jointer
- 3. Mortise and tenon joint with offset shoulders.
 - a. Dedicated table saw
 - i. Dado Blade
 - ii. Sled

Day 3: Casement Sash. Goal: Students will learn how to add a decorative profile to a storm window sash. Skills learned

- 1. Reinforce lessons from days 1 & 2
- 2. Introduce "Sash Factory" router table
 - a. Make a decorative profile.
 - b. Make glazing rabbet
 - c. Make the "coped cut" profile.
- 3. Make a "relish" with a drill press

Day 4. Double Hung Window Sash. Goal: Students will learn how to fashion and add meeting rails to a sash. Skills learned

- 1. Reinforce lessons days 1-3
- 2. Make a meeting rails for top and bottom sash
 - a. Make double tenons using a table saw with a vertical tenoning jig
 - b. Make adjustments for top sash meeting rail assembly
- 3. Make pulley troughs

- a. Router table set up
- b. Handheld set up

Day 5. Divided Lite Window Sash. Goal: Students will learn how to fashion and add muntins to create a divided lite window sash. Skills learned

- 1. Reinforce lessons from days 1-4
- 2. Use a calculator to lay out muntins
 - a. Converting fractions to decimals and vice versa
 - b. Calculate proper muntin spacing
- 3. Mill small parts safely