



Intro to Sash Making

Course Description

Objective - Understand the processes and tools necessary to replicate a true divided lite window sash. Student 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.

Day 1: Screen Frame. Goal. Student 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. 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: Student 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. Basics of a router table
3. Make glazing rabbets with a router table
4. Mortise and tenon joint with offset shoulders.

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

1. Reinforce lessons from days 1 & 2
2. Make decorative profile with a router table.
3. Make the "coped cut" profile with a router table
4. Make a "relish" with a drill press

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

1. Reinforce lessons days 1-3
2. Make a meeting rail for bottom sash
3. Make a meeting rail for top sash
4. Make double tenons using a table saw with a vertical tenoning jig
5. Make adjustments for top sash meeting rail assembly

Day 5. Divided Lite Window Sash. Goal: Student 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 do decimals and vise versa
 - b. Calculate proper spacing
3. Mill small parts safely
4. how to divide sash into even spaces, mill small parts safely.