

Introduction to ShopBot-based CNC woodworking at TechShop Durham

- * Have you ever wanted to cut a circle or an arch without creating a jig?
- * Are you interested in making really accurate cuts, again and again?
- * Have you been wondering about how computer-numerically-controlled (CNC) woodworking works?

Come to the project-based training at TechShop Durham

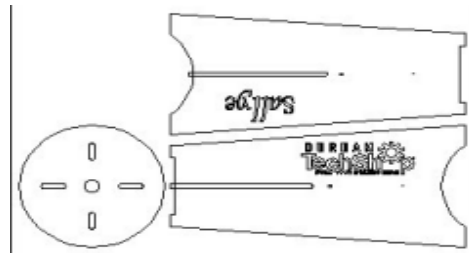
We'll use the creation of a custom slide-together stool to:

- Introduce PartWorks CAD/CAM software
- Introduce the ShopBot CNC router



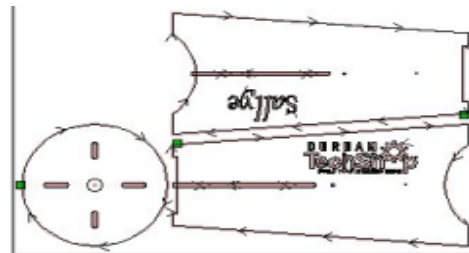
Here's how it works:

Use PartWorks software to draw your ideas on the computer (Computer-Aided Design)



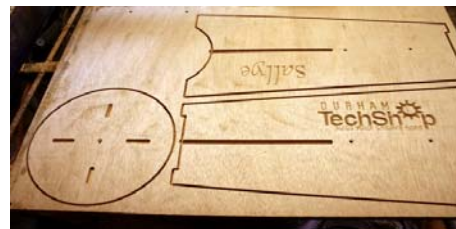
Use PartWorks software to tell the computer how to cut out the designs (Computer-Aided Machining)

- Engrave lettering to personalize your project
- Cut circles and curves without a jig
- Create slots and pockets for the parts to fit together
- Cut out the parts the size you drew them



Use ShopBot Control software to prep the ShopBot for cutting, and

Cut out the parts



Along the way, we'll discuss:

- Hold down**
- Router bits**
- Safety**

At the end of the class, you'll go home with a custom stool, and the basic knowledge to run the ShopBot to create your own projects.

Class Limit: 4

Cost: Instruction: \$120 Material: \$15