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3D Modeling for CNC Woodworking
September 28 - October 2, 2020

Dear Student,

Learning how to create 3D models for CNC is primarily a computer skill that requires a lot of practice and an ability to visualize the design in your mind and then translate it to the computer. Yet as with other skills there are tips, tricks and techniques that can ease the learning curve – and that's what this class is all about. Through a series of project design exercises, you will have the chance to learn and practice a variety of 3D modeling techniques. This class will focus primarily on the designing with Vectric Aspire software, but we will also discuss other 3D modeling techniques.

See you soon,
Randy

Tools to bring:

- A laptop computer with Windows 7 or 10 installed
- Scroll wheel mouse (very important)
- Thumb drive for transferring files to the machine

Class outline

Day 1 – Monday

- Introductions and safety.
- Aspire software setup
- Presentation – 3D Modeling Intro
- Design time – Project exercise 1
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Day 2 – Tuesday

- Presentation – 3D Modeling – Previewing and 3D toolpaths
- Design time – Project exercise 2
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Day 3 – Wednesday

- Presentation – 3D Modeling - Creating 3D shapes
- Design time – Project exercise 3
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Day 4 – Thursday

- Presentation – 3D Modeling – Combining Shapes
- Design time – Project exercise
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Day 5 – Friday

- Presentation – 3D Modeling – Sculpting
- Design time – Project exercise
- Wrap-up