

CNC Router DIY Project

Description: Now that you've completed the CNC routing modules, it's time to design and create a unique project. You can create anything you choose as long as it satisfies the requirements listed below.

This is your time to create! Have fun with it.

Requirements: For this module, the only DIY project requirement is that your design must include both a profile and pocket cut. The product should also be functional in some way (furniture, serving plate, etc.) and three-dimensional. If you have questions on your design, ask an instructor. You should still check the grading rubric below to make sure your work covers those aspects, as well.

Deliverables: If you are using the Laguna, you must go through the same file approval process that you did in Tutorial 1. When finished with the project, submit your CAD/Easel/VCarve files on Canvas along with a picture of the completed project (include as many angles as necessary to demonstrate its functionality, appearance, features, etc.). Include a short description of its purpose (300 words or less) if it's not obvious.

Grading: You will be graded as followed.

	1 pt	2 pts	3 pts
Creativity	Very simple design that requires no thought		Unique/useful implementation of the learned skills
Quality	Part not post-processed.	An attempt was made to post process the part, but the final product is not of great quality.	Post-processing done well.
Processing	Some inappropriate settings/tools were used.		The appropriate tools and machine settings were used.
	0 pts ←→ 10 pts		
Design	The product does not fit together well. No fillets. Overall, designed to a		The product design was done well (includes fillets, joints, etc. where appropriate).

	minimum.		Implements all of the necessary skills learned throughout the module
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Examples:



Bed tray



A game!