MAKER SPACE

What it is: A community campus space with tools and resources for personal projects, as well as feedback from mentors and peers.

Where it lives: Anywhere there's space (though you may need ventilation for certain tools).

Who uses it: Any student, faculty, or staff member in Elon's campus community.

makerspaces support **residential campuses**

A makerspace will significantly enhance Elon's campus by providing student access to an innovative and strategic informal learning space.

makerspaces support **self-directed learning**

Students in Elon's makerspace will be free to pursue projects that interest them, even if they aren't directly integrated into a course they're taking.

makerspaces support **intellectual climates**

Students will regularly confront challenges that can only be met through research and conversations with peers and faculty/staff mentors.

What could students do in a makerspace?

screen print a T-shirt

draft a product prototype

design and print 3D objects

code a mobile app

launch a camera into space

build a scrap metal windmill

These projects support Elon's intellectual climate by encouraging informal learning, collaboration, problem solving, experimentation, mentorship, design thinking, play, and grit.
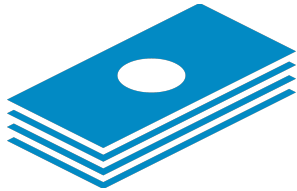
makerspaces at peer, aspirant, CAA, and regional schools

College of Charleston
College of William & Mary
Davidson College
Drexel University
James Madison University

NC State University
Rice University
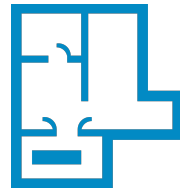Stetson University
Towson University
UNC-Greensboro

Challenges

initial and ongoing **funding**

Makerspaces often require an investment at their inception, as well as upkeep and staffing. Startup and upkeep estimates are outlined below.

space, space, space, **space**

Like the name implies, students need a space to make things. Depending on the equipment available, that space may need ventilation.

faculty and student **interest**

Actually—we already have it! Over two dozen faculty, staff, and students from nearly every academic area of Elon have committed to help.

MAKERSPACE MODULES

Module	Startup	Upkeep
Workspace	$3,700	$75
General	$3,900	$600
Woodworking	$2,100	$200
Metalworking	$4,700	$400
Electronics	$3,100	$300
Textiles	$1,100	$100
Computers	$4,800	$60
3D Printing	$2,300	$50
Laser Cutting	$12,200	$400
CNC Cutting	$5,900	$300

So how much is it?

It depends. Makerspaces take many forms. While a makerspace *can* contain all of these modules, it doesn't have to. A makerspace at Elon could be in a large, central location with a broad focus. It could also exist in several smaller spaces across campus, each focusing on a specific module.

Startup costs assume we have no pre-existing resources and that all equipment and materials will be purchased new.

Upkeep covers the cost of replenishing consumables, materials, and wear and tear for 25 students who would use the space for 70 to 100 hours (roughly a semester of weekly 2-hour sessions).

Estimates do not cover infrastructure costs, including utilities or staffing. Estimates have been rounded up to the nearest hundred.

EDUCAUSE Resources

7 Things You Should Know About Makerspaces (**bit.ly/edumake1**)
The Case for a Campus Makerspace (**bit.ly/edumake2**)